



SDMS DocID

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### REMEDIAL ACTION COMPLETION REPORT DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL

**Appendices A-I** 

Wildwood Property
Wells G & H Superfund Site
Woburn, MA

Prepared For:

**BEATRICE COMPANY** 

Prepared By:

REMEDIATION TECHNOLOGIES, INC. 9 Pond Lane Concord, MA 01742

RETEC Project No.: 3-0947-730

**MARCH 1995** 

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3-0947\doc\srtc5.rpt March 16, 1995

# APPENDIX A DEBRIS INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993) Section 4.2.

#### 4.2 DEBRIS INVESTIGATION

In order to determine disposal plans for the debris (e.g., recycling, treatment or disposal), more information was required regarding the location, extent, and estimated volume of each type of material; chemical characterization of any materials associated with drum carcasses; and classification of debris into an appropriate number of categories based on likely disposal locations. Debris found on site included rusted barrel remnants, scrap metal, scrap wood, waste construction materials, tires, cans/containers, and refuse. For the inventory, seven categories were defined to generally classify site debris as follows: metal, wood, construction debris, refuse, debris soil, liquid waste, and intact drums.

The debris investigation was initiated by establishing a site grid, and conducting an inventory of the debris in each grid. Debris piles were investigated individually by excavating trenches across them with a backhoe. An inventory of all drum carcasses was also conducted. The southern portion of the Wildwood Property, adjacent to an auto parts yard, was investigated separately. Here, the site grid was modified and an inventory of the area was conducted including the excavation of several test pits.

#### 4.2.1 Grid Inventory

The first task of the debris investigation was dividing the site into a grid consisting of 100-foot by 100-foot cells to systematically investigate the site and accurately reference debris locations (Figure 4-3). A baseline was surveyed along the center of the site access road, and the cell corners were located by surveying and taping from the baseline. To verify that cell corners were located accurately, the diagonal distance was measured on several cells. Individual grid corners were marked with two wooden stakes painted yellow; one permanent stake was driven flush with the ground, and a second tall stake was installed to facilitate locating the flush stake in wooded areas. Dimensions of cells bordering wetlands were altered such that all cell boundaries were on dry land.

After the site grid was surveyed, each grid cell was inventoried for debris contents. Most cells were subdivided into approximately located quarters to facilitate traversing dense vegetation and locating debris more accurately within a cell. Each cell was traversed from north to south or east to west in parallel passes approximately six to ten feet apart. The ground along the traverse was visually inspected for debris. Debris was classified within one of seven different categories (metal, construction debris, wood, refuse, debris soil, liquid waste, or intact drums) as outlined

in the PDWP.

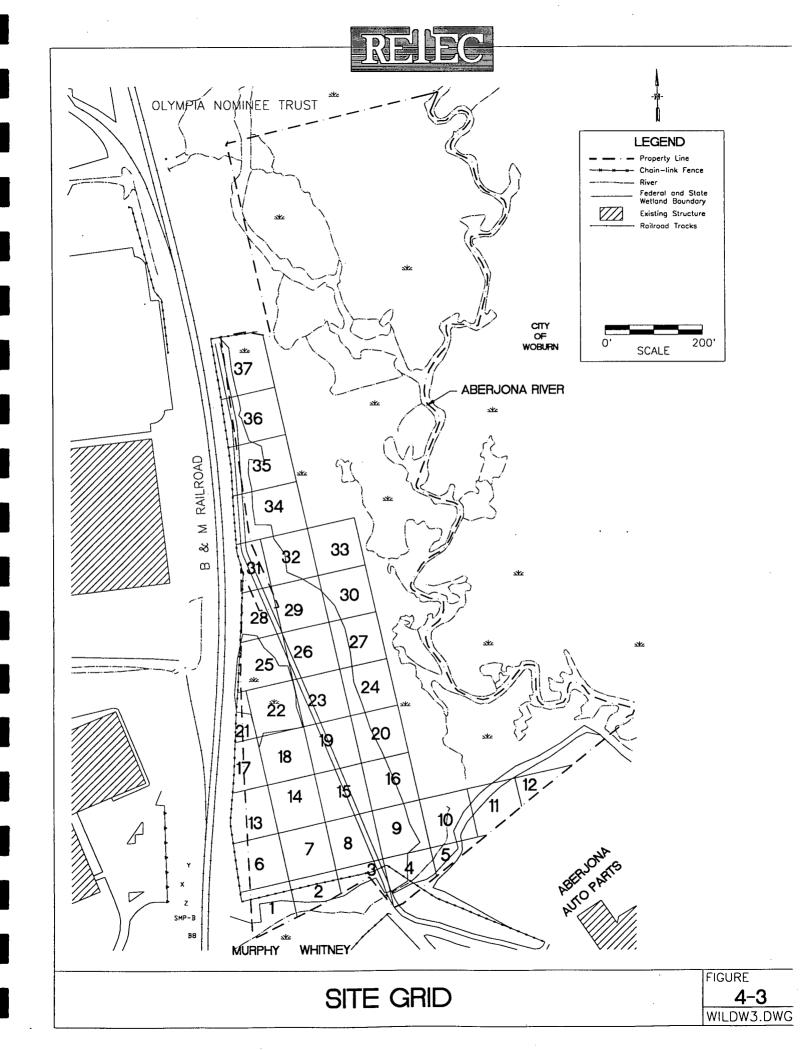
After the cell debris inventory was completed, soils beneath the vegetative mat were inspected at ten locations within each cell to locate any unidentified sludge or debris. The soil inspection consisted of digging a hole 1 to 1.5 feet deep, monitoring the excavated soil with a PID, and describing the soil. The hole was then backfilled and marked with a yellow flag. The yellow flags, approximately one foot high, were labeled with the cell number and soil inspection number, e.g. "23-1" denoted Cell 23, soil inspection location number 1. The approximate flag locations were sketched with the debris pile location sketches in field note books. Fewer than ten soil inspections were conducted in smaller cells, such as those cells adjacent to wetlands, or in those cells that contained mixed-contaminated soils as these areas are to be excavated as part of the soil remedy for the site.

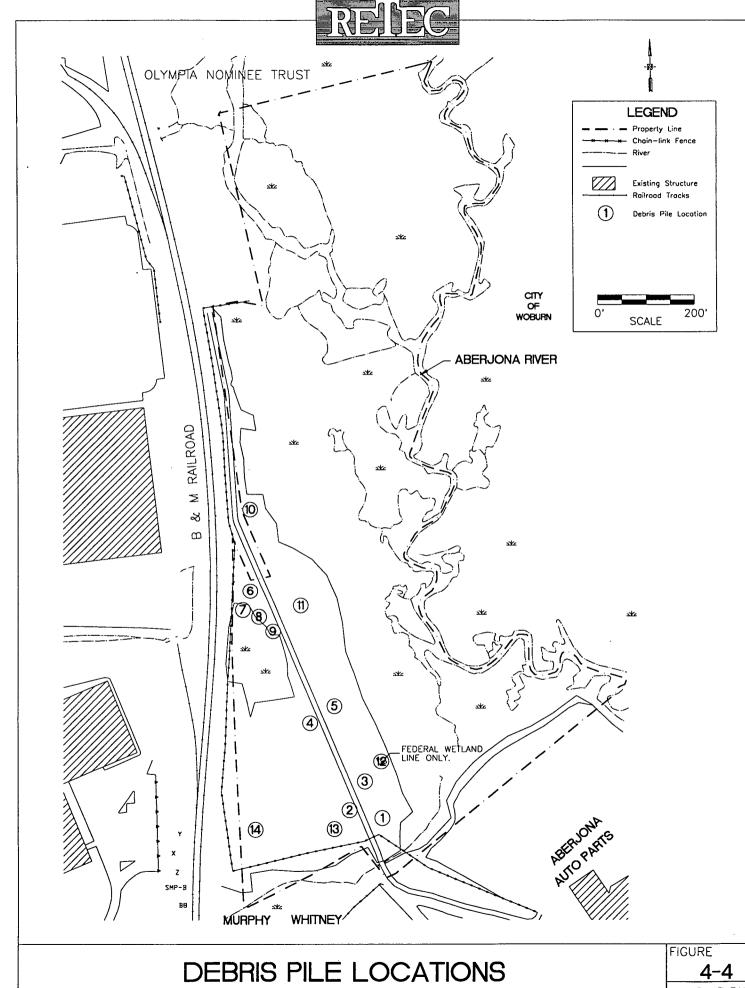
#### 4.2.2 Debris Piles

A second phase of work involved recording a detailed inventory of 13 piles of debris to determine if any drums or other debris of concern were buried within the piles, and to more thoroughly describe their contents. Piles of debris were identified from the cell inventories described above, and debris piles were assigned an order in which to be investigated. The locations of the debris piles are presented in Figure 4-4. Exploratory test pits were dug into several of the debris piles with a small excavator. Several pits were also dug adjacent to the piles to determine the elevation of natural grade and to describe surface soils. The field engineer logged the test pit contents and monitored the area with a PID or flame ionization detector (FID). After the test pits were completed, the length, height, and width of each debris pile was measured and located by reference to the site surveying baseline.

#### 4.2.3 Drum Carcasses

Drum carcasses located throughout the site were examined for labels and structural condition. No intact drums were observed during the debris investigation. Individual drums were identified with a number painted on each carcass, measured, and photographed. The identification number indicated the grid cell number and drum number within the cell. For example, "25-3" denoted Cell 25, drum number 3.





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#### 4.2.4 Area Adjacent to the Auto Yard

The southeastern edge of the Wildwood Property presently used by the Aberjona Auto Parts business was also included in the debris inventory. This area was divided into an eastern and a western parcel. The area was photographed and debris volumes were estimated by general category. Several test pits were excavated on the portion of the auto yard not covered by automobiles, tires, and other car parts.

#### **4.2.5** Results of Debris Grid Inventory

Varying volumes of debris were observed in many locations of the Wildwood Property. Debris was encountered on 25 of the 37 grids. A summary of debris observed during the grid inventory is presented in Table 4-2.

Wood comprised the largest volume of debris and included lumber, timbers, shingles, pallets, railroad ties, a set of stair remains, and miscellaneous marker stakes. The materials that were classified as metal were items solely of metal that could be scrapped and potentially recycled. Some of the items found on the site included empty drum carcasses and drum rings, window and door frames, pipes, sheet-metal, buckets and pails, license plates, and miscellaneous car remains and parts. None of these materials screened with a PID indicated VOCs above background levels.

The items separated into construction debris included concrete, bricks, plaster, and any heating and electrical parts. The site contained small amounts of refuse scattered all over the site. Refuse included items such as plastic materials, soda and beer cans, paper products, rubber products, leather, textiles, tires, and glass. Debris soil was primarily contained within the debris piles throughout the site.

#### **4.2.6** Soil Inspections

At ten locations in each grid cell, shallow hand excavations were conducted to characterize soil and locate unidentified sludges and debris. The soils observed in these shallow hand excavations generally consisted of sand and gravel with varying amounts of humic material. The percentage of gravels and coarser-grained deposits were highest along the western border of the site, particularly in the southern and central portions of the Wildwood Property at slightly higher elevations than the rest of the property. The concentration of humic material increased with

Table 4-2Debris Inventory
Wildwood Property
Wells G & H Site

Grid		Volu	ne of Material	(yd3)	
Cell#	Wood	Metal	Construction	Refuse	Soil
			Debris		
1	_	_	_	_	_
2 3	-	_	_	-	-
	9.0	2.5	10.0	1.0	5.0
4		_	_	-	_
5	_	_	_	_	_
6	0.5	0.3	0.3	0.1	-
7	_	0.5	0.5	0.1	-
8	25.0	3.0	1.5	1.5	10.0
9	21.0	1.5	6.0	1.5	7.0
10		_		_	_
11	_			_	_
12	_		_	_	-
13	_	_		_	<del></del>
14	_	3.0	3.0		_
15	2.0	1.0	_	0.5	_
16	4.0	1.0	_	0.5	_
17	_	_	_	_	-
18	0.3	1.0	1.0	<del>-</del>	-
19	18	6.0	6.0	3.0	27.0
20	_	_	_		_
21	1.0	2.0	1.0	-	
22	1.0	1.0	1.0	12.0	_
23	0.5	0.5	0.5	_	_
24	-	_	-	_	-
25	3.0	5.0	1.5	0.5	2.0
26	5.0	3.0	1.0	_	3.0
27	_	_	_		_
28	8.0	3.0	1.0	1.0	10.0
29	_	1.0	1.0	1.0	
30	_	_	_		-
31	1.0	4.0	1.0	1.0	_
32	5.0	1.0	3.0	_	_
33	_	<del></del>	_	-	_
34	2.0	2.0	1.0	-	-
35	3.0	2.0	_	0.5	_
36	1.0	_	_	_	-
37	1.0	_	-	_	
TOTALS	111.3	44.0	40.3	24.2	67.0

proximity to the wetland of the Aberjona River.

Soils removed from each of the hand excavations were screened with a PID. Concentrations of VOCs were found to be at background concentrations with ten exceptions. Each of the ten soil inspections with PID screening results above background concentrations were within areas of VOC-impacted soils or in the vicinity of sludge locations. The soil at Location 4-4 (grid cell 4, excavation 4) showed concentrations of 2.1 ppm. The PID measured 4.6 ppm from soils removed from Location 9-5. Grid 14 had two excavations with PID readings above background concentrations, Location 14-7 at 2.0 ppm and Location 14-10 at 20 ppm. Grids 15, 32, and 34 had one location each with PID readings above background concentrations, Location 15-4 with 2.2 ppm, Location 32-2 with 1.0 ppm, and Location 34-3 with 1.6 ppm. Grid 35 had three locations with PID readings above background. Location 35-1 showed concentrations of 1.6 ppm, Location 35-3 showed concentrations of 7.2 ppm, and Location 35-4, which was excavated into a sludge identified during the RI (SL-10), showed a concentration of 15 ppm.

#### 4.2.7 Debris Piles

In addition to small volumes of debris scattered about the site, 13 debris piles were investigated during the inventory. The debris piles consisted primarily of soil, wood and construction debris with lesser volumes of other debris types. Debris piles with larger proportions of soil often appeared to be built up by a bulldozer. Other debris piles contained less soil, and appeared to have been piles left after emptying a truck. The largest debris pile was located in grid 28 (debris pile 6), which contained auto parts, sheet metal, wood timbers, drum carcasses, tires, shingles, and numerous other types of construction debris. In grid 16, a small excavation was investigated that consisted primarily of wooden timbers (debris pile 12). A summary of observations made during the debris pile investigation is presented in Table 4-3.

#### 4.2.8 Drum Carcasses

Approximately 47 drum carcasses in ten grids were observed during the debris investigation. The drums carcasses were found in conditions ranging from moderately rusted and weathered to completely broken apart. No intact drums were observed during the debris investigation. In most cases, the drums appeared empty with the exception of fallen leaves and rainwater collected in the bottoms. A few drums were found to contain some debris or had noticeable quantities of residues in the bottoms and on the sides.

### Table 4-3 Debris Pile Inventory Wildwood Property Wells G & H Superfund Site

Pile #	Cell #	Dimensions	Description
1	8/9	5' x 15' x 3'	60% wood (burned timbers, plywood), 15% soil (gravel), 15% construction debris (concrete block, concrete filled pipe) 5% metal (wheel rims, cable, drum lids), 5% refuse
2	8	6' x 6' x 3'	80% wood (burned timbers), 10% metal (piping), 5% construction debris (asphalt, rubber, plastic)
3	8	10' x 10' x 4'	90% wood (burned timbers and smaller boards), 5% metal (drum lids), 5% construction debris (tires, plastic)
4	19	50' x 8' x 2'	50% soil (gravel), 30% wood (large timbers), 15% construction debris (metal and concrete), 5% refuse
5	19	50' x 6' x 2.5'	50% soil (gravel), 25% construction debris (concrete, tires, drum lids), 20% wood (burned timbers), 5% refuse
6	28	23' x 23' x 2'	30% metal (drum carcasses and sheet metal), 30% wood timbers, 20% soil (mostly gravel), 5% construction debris (tires, shingles), 5% refuse (plastic, cans, and bottles)
7	28	15' x 4' x 1.5'	50% soil, 50% concrete filled pipe
8	25	20' x 15' x 1'	50% metal, 40% wood, 3% rubbish, 2% construction debris
9	25	10' x 2' x 1'	50% wood, 40% metal, 10% refuse
10	31-32	20' x 35' x 3.5'	90% soil, 5% drum carcasses, 5% refuse
11	26	10' x 2' x 1'	50% wood (timbers), 25% metal (piping), 25% soil
12	16	14' x 14' x 3'	excavation filled with 95% wood (timbers), 5% refuse (ladder, plastic toy, glass)
13	. 26	6' x 6' x 2.5'	85% gravel, 10% metal (sheeting, refrigerator parts), 5% refuse

The largest collection of drum remnants were observed in Grid 28, where 16 drums were counted. Contents of these drum remnants included leaves, water, plastic, and debris. One drum appeared to contain a yellow powder, similar to the yellow material observed during the supplemental sludge investigation. A summary of observations made during inspection of drum carcasses is presented in Table 4-4.

Portions of four drums were observed within a debris pile along the access road adjacent to the auto parts yard. Only a small portion of these drums were visible, with the remainder of the drum buried within the debris pile. These drums will be further investigated as the debris pile is dismantled.

#### 4.2.9 Area Abutting the Auto Yard

The grid system along the portion of the Wildwood Property abutting the Aberjona Auto Parts property was modified to facilitate the debris inventory in this location. This area was divided into western and eastern halves.

The western parcel contained a large tire pile approximately ten to fifteen feet high located along the Aberjona Auto Parts property line. The pile was approximately 60 feet long and 25 feet wide. Metal debris was also present in this parcel. Adjacent to the tire pile was a dumpster containing car parts, containers, and other miscellaneous debris. Approximately 20 cubic yards of wood and 20 cubic yards of metal debris were also scattered around the area.

Debris in the eastern parcel consisted primarily of old automobiles. Approximately 20 vehicles were present on the portion of the Aberjona Auto Parts lot owned by Wildwood Conservation Trust. This lot was being actively operated by the auto parts shop as a storage lot at the time of the debris inventory. Also present on this portion of property were approximately five cubic yards of tires, three cubic yards of metal debris other than the automobiles, and approximately two cubic yards of refuse.

Two test pits were excavated in these grids. The first test pit excavated was located on a mound approximately two feet above the rest of the property, 92 feet west of monitoring well BSSW-16. The test pit was three feet square and approximately 2.5 feet deep. A number of items were found mixed with the soil excavated from the test pit. These items included an automobile bumper, gas tank, hub cap, wheels, automobile chrome trim, brake drums, hoses, rope, and waste wood. There were no readings above background on a PID during the excavation. All test pits

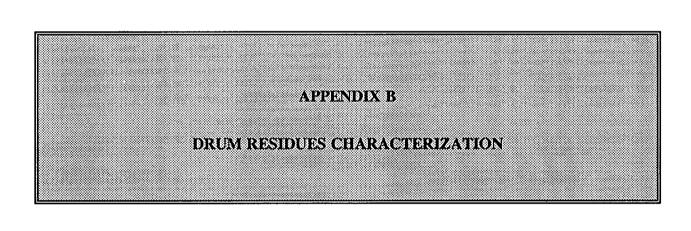
were backfilled with the excavated material.

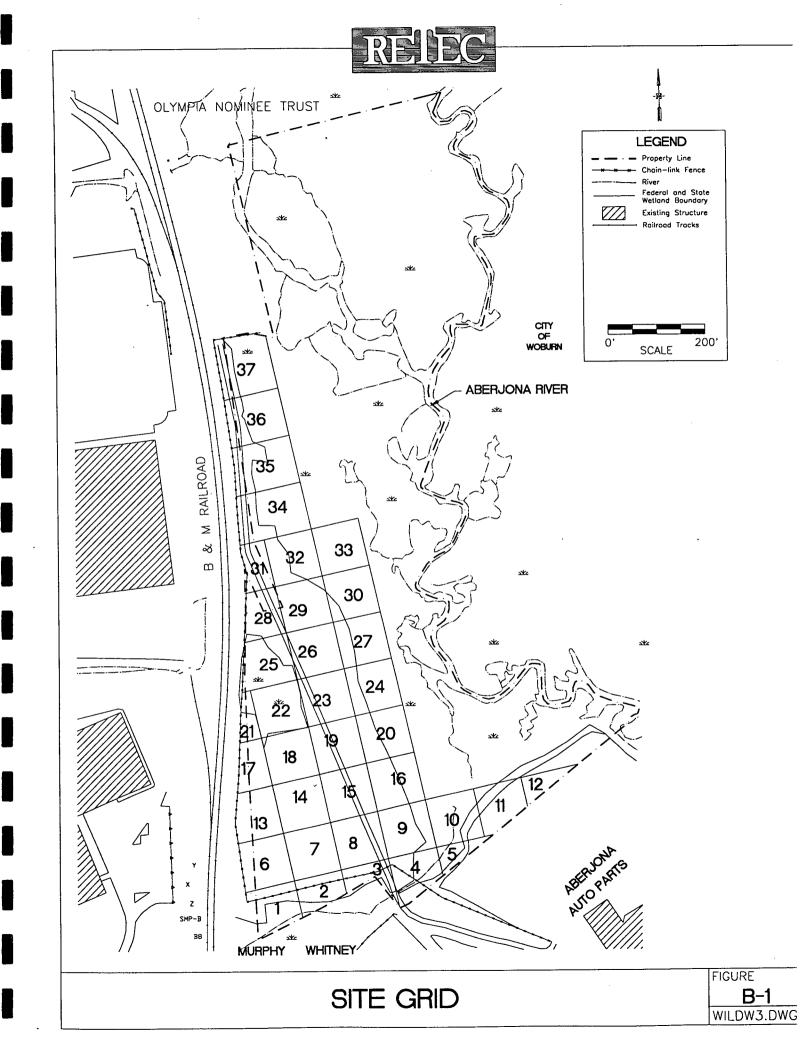
A second test pit was excavated 50 feet southwest of the S77 well cluster at the northeast corner of the auto parts yard. This test pit was six feet long, three feet wide, and two feet deep. The soil was a brown, medium to coarse sand, with fine, medium, and coarse gravel, and had mixed cobbles throughout. The soil appeared to be clean fill and did not look impacted by Aberjona Auto Parts operations. No readings above background levels were recorded with the PID.

#### Table 4-4

Drum Inventory
Wildwood Property
Wells G & H Superfund Site

Cell # Labeled (ppm)  3 3-1 0.2 rusted, crushed, contained plastic debris 3-2 0.4 crushed  4 4-1 0.3 rusted open 4-2 0.3 mostly deteriorated unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1	
3 3-1 0.2 rusted, crushed, contained plastic debris 3-2 0.4 crushed  4 4-1 0.3 rusted open 4-2 0.3 mostly deteriorated unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1	
3-2 0.4 crushed  4 4-1 0.3 rusted open 4-2 0.3 mostly deteriorated unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1	
4 4-1 0.3 rusted open 4-2 0.3 mostly deteriorated unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1	
unlabeled NM buried in debris pile 4-1 unlabeled NM buried in debris pile 4-1	
unlabeled NM buried in debris pile 4-1	
nulabeled NIM buried in debrie pile 4-1	
unlabeled NM buried in debris pile 4-1	
unlabeled NM buried in debris pile 4-1	
16 16-1 NM 1/2 deteriorated, 1/4 full of water	
25 25-1 0.0 metal, rusted, open, 10-gal cardboard container	within
25-2 0.0 crushed flat, 1/3 deteriorated; contained soil, pla	stic, glass, debris
25-3 0.0 rusted open; 1/2 filled w/water, leaves, rubbery b	rown sludge
25-4 0.0 mostly intact, bung open, contents unknown	
25-5 0.0 drum w/ plastic liner, mostly intact, contained brown	own sludge
26 26-1 NM open top, 1/3 full, glass, rubber hose, black sludg	ge
26-2 NM open top, 1/3 full, glass, black sludge	7.5
28 28-1 0.0 rusted open; contained leaves, soil, sludge, 1/4 fu	111
28-2 6.0 30 gal, top rusted off, contents unknown	
28-3 0.8 rusted, crushed and full of plastic sheeting	
28-4 0.0 open top, rusted open, crushed; contains leaves	
28-5 0.0 open top, 1/2 full of leaves, mixed w/ plastic	
28-6 5.0 2/3 buried, largely deteriorated, surrounded by to	ar-like sludge
28-7 0.0 open at bung, contents unknown	
28-8 7.0 badly rusted, 1/3 full yellow-brown powder	
28-9 0.0 open at bung, contents unknown	
28-10 0.0 open at bung, contents unknown	
28-11 0.0 open at bung, bulged middle	
28-12 0.0 open at bung	
28-13 3.0 rusted open; 1/4 full of yellow powder	
28-14 0.0 open at side bung, bulged, yellow powder	
28-15 NM rusted through, yellow powder	alovec
28-16 0.0 crushed, open on top, 1/4 full of sludge, grease, s 31 31-1 0.0 crushed, largely deteriorated, brown soil, sludge	
	, 1/7 1411
31-2   0.2   bung holes open, 1/8 full of unknown liquid open top, side rusted; empty	
31-4 0.0 open top, side fusied, empty open top, contains liquid, hose, and soil	
31-5 0.0 open top, contains inquid, nose, and son rusted open, open top; contains soil & organic in	natter
32 32-1 1.0 bulging, rusted open; no contents	
34 34-1 0.0 rusted, split in half	
34-2 0.8 open top, half crushed	
34-2 o.6 open top, half clusticd open top; 2/3 full solid debris, rags, plastic, soil	
34-4 0.0 l/2 remanent; contains leaves, soda cans	
34-5 0.0 bottom rusted off, partially full of leaves & dirt	
35 35-1 0.2 open top, crushed	
35-2 0.0 closed top, rusted open, no bungs	





#### TABLE B-1

# Drum Inventory Wildwood Property Wells G & H Superfund Site

Grid	Drum	PID/OVA	Description
Cell#	Labeled	(ppm)	
3	3-1	0.2	rusted, crushed, contained plastic debris
	3-2	0.4	crushed
4	4-1	0.3	rusted open
	4-2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
16	16-1	NM	1/2 deteriorated, 1/4 full of water
25	25-1	0.0	metal, rusted, open, 10-gal cardboard container within
	25-2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25-3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25-4	0.0	mostly intact, bung open, contents unknown
	25-5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26-1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26-2	NM	open top, 1/3 full, glass, black sludge
28	28-1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28-2	6.0	30 gal, top rusted off, contents unknown
	28-3	0.8	rusted, crushed and full of plastic sheeting
	28-4	0.0	open top, rusted open, crushed; contains leaves
	28-5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28-6	5.0	2/3 buried, largely deteriorated, surrounded by tar-like sludge
	28-7	0.0	open at bung, contents unknown
	28-8	7.0	badly rusted, 1/3 full yellow—brown powder
	28-9	0.0	open at bung, contents unknown
	28 - 10	0.0	open at bung, contents unknown
	28-11	0.0	open at bung, bulged middle
	28-12	0.0	open at bung
	28-13	3.0	rusted open; 1/4 full of yellow powder
	28-14	0.0	open at side bung, bulged, yellow powder
	28-15	NM	rusted through, yellow powder
	28-16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31-1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
	31-2	0.2	bung holes open, 1/8 full of unknown liquid
	31-3	0.0	open top, side rusted; empty
	31-4	0.0	open top, contains liquid, hose, and soil
- 22	31-5	0.0	rusted open, open top; contains soil & organic matter
32	32-1	1.0	bulging, rusted open; no contents
34	34-1	0.0	rusted, split in half
	34-2	0.8	open top, half crushed
	34-3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34-4	0.0	1/2 remanent; contains leaves, soda cans
35	34-5	0.0	bottom rusted off, partially full of leaves & dirt
33	35-1	0.2	open top, crushed
	35-2	0.0	closed top, rusted open, no bungs

TABLE B-2

Drum Characterization

Wildwood Property

Wells G & H Superfund Site

Material	White Powder	Petroleum Jelly	Soil	Brown Clay	Soil & Debris	#2 Fuel Oil	RCRA Empty
Group	A	В	С	D	Е	F	G
Drum Carcass Number	28-7 28-8 28-9 28-10 28-11 28-12 28-13 28-14 28-15 28-17	26-1 26-2 28-16 31-3 31-4 34-2 34-3	4-1 4-2 4-8 4-9 16-1 22-1 28-1 28-2 28-5 31-5 34-1 34-4 34-5 35-1 35-2	25-3 25-4 31-1 32-1	25-5 28-3 28-4 28-18 28-19 31-2	4-3 4-6	4-4 4-5 4-7 25-1 25-2 28-6

587 East Middle Turnpike, P.O. Box 418, Manchester, CT 06040 Tel. (203) 645-1102 Fax (203) 645-0823

July 12, 1993

Environmental Waste Tech., Inc. 1039 Chestnut Street P.O. Box 38 Newton Upper Falls, MA 02164

Attn: Mr. Nichloas Prevosti

SAMPLE ID: AA24441 to AA24447

This laboratory is in compliance with the QA/QC procedure outlined in EPA 600/4-79-019, <u>Handbook for Analytical</u> <u>Quality Control in Water and Waste Water</u>, March 1979, and SW846 QA/QC requirements of procedures used.

If you have any questions concerning this testing, please do not hesitate to contact me.

Sincerely yours,

Sohail Jahani

Laboratory Director

CT Lab. Registration #PH-0618

MA Lab. Registration #CT-007

NY Lab. Registration #11301

RI Lab. Registration #63

From: Phoenix Environmental Laboratories Inc.

587 E. Middle Turnpike, Box 418

Manchester, Ct. 06045-0418 (203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24447 Loc

Location code: EWT

Location Description: Wildwood QC AA24441-24446

Sample collector: N. PREVOSTI

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	$\mathtt{MDL}$
Flash Point Analysis QC	see below		
pH Analysis QC	see below		
Sulfide Analysis QC	see below		
AA Metals Analysis QC	see below		
ICP Metals Analysis QC	see below		
Reactive Cyanide QC	see below		
Volatiles (MS) Analysis QC	see below		
Polychlorinated Biph Analysis QC	see below		
Pesticides (GC) Analysis QC	see below		
Semivolatile QC Data (MS)	see below		
Total Org Halogens Analysis QC	see below		
Total Organic Carbon Analysis QC	see below		
Solids by % Analysis QC	see below		
Ash Analysis QC	see below		

Data for Flash Point Analysis QC:

OC BLANK: 76 UNITS: F

QC CHECK SAMPLE % RECOVERY:98.7

QC SAMPLE SPIKE % RECOVERY:xxx

QC SAMPLE REPLICATE % CHANGE:5.1

QC SOURCE: In House (n-propanol)

SPIKED SAMPLE:XXX

REPLICATED SAMPLE AA24446

Data for pH Analysis QC:

QC BLANK: 3.99

QC CHECK SAMPLE % RECOVERY:103.9

QC SAMPLE SPIKE % RECOVERY:xxx

QC SAMPLE REPLICATE % CHANGE: 0.41

UNITS:pH units
QC SOURCE:In House
SPIKED SAMPLE:xxx

REPLICATED SAMPLE: AA24446

Page: 2

July 12, 1993

#### Data for Sulfide Analysis QC:

QC BLANK: 0.0 UNITS:MG/L QC CHECK SAMPLE % RECOVERY: QC SOURCE:

OC SAMPLE SPIKE % RECOVERY: SPIKED SAMPLE:

QC SAMPLE REPLICATE % CHANGE: 0% REPLICATED SAMPLE: AA24446

#### Data for AA Metals Analysis QC:

QC Source: ERA9944 Sample ID: AA22799	QC Blank (PPM)	QC Check Sample ( % Rec.)	QC Spike Sample ( % Rec.)	QC Sample Replicate (% change)
Analyte				
AS Arsenic	.<0.01 .	.101 .	.115 .	.ND 0
Hg Mercury	.<0.005.	.110 .	.91.4 .	.ND O
Pb Lead				•
Sb Antimony				•
Se Selenium	.<0.01 .	.113 .	.105 .	.ND O
Tl Thallium	.<0.05 .	.104 .	.83.9 .	.ND O

#### Data for ICP Metals Analysis QC:

_		3403 QC A24415 Blank A24407 (PPM)			e	Sample		QC Sample Replicate (% change)	
Ana	alyte	, ,		·					
Ag	Silver	.<0.01	•	.118	•	.91.3	•	.10	
Al	Aluminum	•	•	•	•	•	•	•	
As	Arsenic	•	•	•	•	•	•	•	
Au	Gold	•	•	•	•	•	•	•	
В	Boron	•	•	•	•	•	•	•	
Ba	Barium	.<0.01	•	.113	•	.91.9	•	.4.3	
Ве	Beryllium								
Вi	Bismuth	•	•	•	•	•	•	•	
Ca	Calcium	•	•	•	•	•	•	•	
Cd	Cadmium	.<0.01	•	.106	•	.116	•	.10	
Co	Cobalt	•		•		•		•	
Cr	Chromium	.<0.01	•	.111	•	.110	•	.0.8	
Cu	Copper	.<0.01	•	.109	•	.96.2	•	.6.8	
Fe	Iron	•	•	•	•	•	•	•	٠
Ħg	Mercury	•	•	•	•	•	•	•	
K	Potassium	•	•	•	•	•	•	•	
Li	Lithium	•		•	•	•	•	•	
Mg	Magnesium	•	•	•		•	•	•	
Mn	Manganese	•	•	•	•	•	•	•	
Mo	Molybdenum		•	•	•	•	•	•	
Na	Sodium	•	•	•		•	•	•	
Ni	Nickel	.<0.01	•	.109	•	.104	•	.3.0	
Pb	Lead	.<0.10		.108	•	.103	•	.0 nd	
Sb	Antimony	•	•	•	•	•	•	•	

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#### Data for ICP Metals Analysis QC (continued):

Se	Selenium	•	•	•	•	•	•	•
Si	Silicon	•	•	•	•	•	•	•
Sn	Tin	•	•	•	•	•	•	•
Tl	Thallium	•	•	•	•	•	•	•
v	Vanadium	•	•	•	•	•	•	•
W	Tungsten	•	•	•	•	•	•	•
Zn	Zinc	.<0.01		-108		.96.4	•	.2.5

#### Data for Reactive Cyanide QC:

OC BLANK: 0

QC CHECK SAMPLE % RECOVERY:XXX

QC SAMPLE REPLICATE % CHANGE:0.0

UNITS:MG/L

QC SOURCE:XXX

REPLICATED SAMPLE: AA24447

#### Data for Volatiles (MS) Analysis QC:

QC Source: TCVOA-1	Matrix Blank (ppb)	Matrix Spike (%Rec)	Matrix Duplic (%Rec)	Replicate Analysis (%Diff)
Benzene Carbon Tetrachloride Chlorobenzene Chloroform 1,2-Dichlorobenzd4(Surr) 1,4-Dichlorobenzene 1,2-Dichloroethane 1,2-Dichloroethane 1,1-Dichloroethylene Methyl ethyl ketone Tetrachloroethylene Toluene-d8 (Surr) Trichloroethylene Vinyl chloride	nd nd nd nd na nd nd nd nd nd na nd nd nd nd nd nd nd	87.98 115.98 90.18 113.98 69.98 108.38 93.48 96.38 94.78 149.28 123.48 100.08 131.48 45.58	86.6% 111.7% 82.6% 106.6% 68.2% 98.0% 91.5% 95.6% 93.9% 147.1% 120.1% 100.0% 122.7% 36.8%	0.0% 3.6% 8.3% 6.4% 2.4% 9.5% 2.0% 0.7% 0.9% 1.4% 2.7% 0.0% 6.6% 19.1%

#### Data for Polychlorinated Biph Analysis QC:

	QC	QC	QC	QC	QC
	Blank	Check	Source	${ t Sample}$	Sample
	ppb	Sample		Spike	Rep.
Analyte		% Rec.		%Rec.	Rel. % Diff.
				(AA24444)	(AA24444)
PCB-1016	ND				0%ND
PCB-1221	ND				0%ND
PCB-1232	ND				0%ND
PCB-1242	ND				0%ND
PCB-1248	ND				0%ND
PCB-1254	ND				0%ND

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Data for Polychlorinated Biph Analysis QC (continued):

PCB-1260

ND

86%

WS1186

0%ND

\* Unable to determine spike recoveries due to matrix interference.

Data for Pesticides (GC) Analysis QC:

QC Source: Sample ID:	Method Blank	QC Check Sample	Matrix Spike	Matrix Spike Dup	Relative % Diff. ( % D)
Analyte	(ppb)	(% Rec)	(% Rec.)	(% Rec.)	
Aldrin	ND				0%ND
a-BHC	ND				O%ND
b-BHC	ND				O%ND
d-BHC	ND				O%ND
g-BHC	ND				O%ND
Chlordane	ND				O%ND
4,4'-DDD	ND				O%ND
4,4'-DDE	ND				O%ND
4,4'-DDT	ND				O%ND
Dieldrin	ND				O%ND
Endosulfan I	ND				O%ND
Endosulfan II	ND				O%ND
Endrin	ND				O%ND
Endrin aldehyde	ND				0%ND
Endosulfan sulfate	ND				0%ND
Heptachlor	ND				0%ND
Heptachlor epoxide	ND				O%ND
Methoxychlor	ND				O%ND
Toxaphene	ND				O%ND
PCB-1016	ND				O%ND
PCB-1221	ND				O%ND
PCB-1232	ND				O%ND
PCB-1242	ND				O%ND
PCB-1248	ND				O%ND
PCB-1254	ND				O%ND
PCB-1260	ND	90%	*		O%ND
Tetrachloro-m-xylene	e(surr)				
Decachlorobiphenyl(	surr)				

<sup>\*</sup> Due to matrix interference with Chlordane the Ar1260 spike was not recovered.

Data for Semivolatile QC Data (MS):

QC Source: TCLPSV Method Matrix Matrix Replicate
Blank Spike Duplicate Analysis

<sup>\*\*</sup> Matrix interference with baseline.

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#### Data for Semivolatile QC Data (MS) (continued):

Analysis	(mg/L)	(%Rec)	(%Rec)	(%diff)
2,4-Dinitrotoluene 2-Fluorobiphenyl (BN-Surr) 2-Fluorophenol (A-Surr) Hexachlorobenzene Hexachlorobutadiene Hexachloroethane 2-Methylphenol (o-Cresol) 4-Methylphenol (p-Cresol) Nitrobenzene Nitrobenzene-d5 (BN-Surr) Pentachlorophenol Phenol-d6 (A-Surr) Pyridine Terphenyl-d14 (BN-Surr) 2,4,6-Tribromophenol(A-Surr)	<pre></pre>	91.8% 80.4% 59.3% 94.0% 74.7% 65.8% 76.1% 66.0% 86.4% 83.1% 82.8% 45.0% 91.7%	92.0% 80.5% 59.5% 94.8% 75.1% 65.8% 75.8% 66.1% 85.8% 83.2% 83.0% 45.0% 91.3%	0.3% 0.1% 0.4% 0.9% 0.5% 0.0% 0.1% 0.7% 0.1% 0.1% 0.1% 0.2% 0.1% 0.3%
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	< 10 < 10	93.2%		2.0%

#### Data for Total Org Halogens Analysis QC:

OC BLANK: 0.0 UNITS: MG/KG

QC CHECK SAMPLE % RECOVERY:110% QC SOURCE: IN HOUSE

QC SAMPLE SPIKE % RECOVERY: SPIKED SAMPLE:

QC SAMPLE REPLICATE % CHANGE: 11% REPLICATED SAMPLE: AA24441

#### Data for Total Organic Carbon Analysis QC:

QC BLANK: 5.85 UNITS: MG/L

QC CHECK SAMPLE % RECOVERY: 113 % QC SOURCE: ERA 9948

QC SAMPLE SPIKE % RECOVERY: 103.9% SPIKED SAMPLE: AA24237

QC SAMPLE REPLICATE % CHANGE: 0% REPLICATED SAMPLE: AA24441

#### Data for Solids by % Analysis QC:

QC BLANK: 0.0 UNITS: %

QC CHECK SAMPLE % RECOVERY:XXX QC SOURCE:XXX
QC SAMPLE SPIKE % RECOVERY:XXX SPIKED SAMPLE:XXX

QC SAMPLE REPLICATE % CHANGE: 0.0 REPLICATED SAMPLE: AA24446

#### Data for Ash Analysis QC:

QC BLANK:0.0 UNITS:MG/L,MG/KG
QC CHECK SAMPLE % RECOVERY:xxx QC SOURCE:xxx

QC SAMPLE SPIKE % RECOVERY:xxx SPIKED SAMPLE:xxx

QC SAMPLE REPLICATE % CHANGE: 0.0 REPLICATED SAMPLE: AA24446

Mr. Nicholas Prevosti Sample I.D. AA24447 (continued) Page: 6
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If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc.

587 E. Middle Turnpike, Box 418

Manchester, Ct. 06045-0418 (203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24441 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood A-4771 White Powder

Sample collector: D. KOLTE Sample collection date: 06/28/93

Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	$\mathtt{MDL}$
Flash Point	>200	degree F	200
рН	5.99	pH Units	0.10
Corrosivity Determination	Negative	_	
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	.09	mg/L	0.01
TCLP Cadmium	Below det lim	mg/L	0.01
TCLP Chromium	.03	mg/L	0.01
TCLP Lead	Below det lim	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim		0.01
TCLP Silver	Below det lim		0.01
TCLP Copper	.06	mg/L	0.01
TCLP Zinc	17	mg/L	0.01
TCLP Nickel	.07	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	5.2	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	5.0
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed	_	
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0
TCLP Extraction for Pesticides.	Completed	<del>-</del> ,	
	-		

## Mr. Nicholas Prevosti Sample I.D. AA24441 (continued) Page: 2 July 12, 1993

Parameter	Result	Units	$\mathtt{MDL}$
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	153	mg/kg	0.50
Percent Water	44.53	<b>&amp;</b>	0.01
BTU Value	7471	BTU/LB	100
Ash Solid Matrix	305.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

#### Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	40
a-BHC	Not detected	40
b-BHC	Not detected	40
d-BHC	Not detected	40
q-BHC	Not detected	40
Chlordane	420	400
4,4'-DDD	Not detected	80
4,4'-DDE	Not detected	80
4,4'-DDT	Not detected	80
Dieldrin	Not detected	80
Endosulfan I	Not detected	40
Endosulfan II	Not detected	80
Endrin	Not detected	80
Endrin aldehyde	Not detected	80
Endosulfan sulfate	Not detected	80
Heptachlor	Not detected	40
Heptachlor epoxide	Not detected	40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

#### Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0
Carbon tetrachloride	Not detected	5.0

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#### Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0 ·
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

#### Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

#### Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
0-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

#### Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	1.3	0.5
Endrin	Not detected	0.1
Heptachlor	Not detected	0.05
Heptachlor epoxide	Not detected	0.05
Lindane	Not detected	0.05
Methoxychlor	Not detected	0.5
Toxaphene	Not detected	1.0

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

#### Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	300	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	
1,2,Dichlorobenzene (ortho)	Not detected	
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,470	20
Ethyl Ether	Not detected	20
Methylene Chloride	6,430	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freonl13)	Not detected	20
xylene	Not detected	20

#### Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component	$\mathtt{MDL}$
Carbon Disulfide	Not detected	5.0	
Cyclohexanone	Not detected	5.0	

#### Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

#### Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Mr. Nicholas Prevosti Sample I.D. AA24441 (continued) Page: 5
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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC:

Gasoline Kerosene Jet Fuel Not detected Not detected Not detected Not detected Not detected Fuel Oil # 2 Fuel Oil # 4 Fuel Oil # 6 Not detected Not detected Not detected Not detected Not detected	Component Name	Result	Component MDL
Jet Fuel Not detected Deisel Not detected Fuel Oil # 2 Not detected Fuel Oil # 4 Not detected Fuel Oil # 6 Not detected	Gasoline	Not detected	
Deisel Not detected Fuel Oil # 2 Not detected Fuel Oil # 4 Not detected Fuel Oil # 6 Not detected	Kerosene	Not detected	
Fuel Oil # 2 Not detected Fuel Oil # 4 Not detected Fuel Oil # 6 Not detected	Jet Fuel	Not detected	
Fuel Oil # 4 Not detected Fuel Oil # 6 Not detected	Deisel	Not detected	
Fuel Oil # 6 Not detected	Fuel Oil # 2	Not detected	
	Fuel Oil # 4	Not detected	
	Fuel Oil # 6	Not detected	
Lube Oil Not detected	Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc.

587 E. Middle Turnpike, Box 418 Manchester, Ct. 06045-0418

Manchester, Ct. 06045-0418 (203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24442 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood B-4771 PetroleumJelly

Sample collector: D. KOLTE

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
рН	4.77	pH Units	0.10
Corrosivity Determination	Negative		
Reactivity	Negative	•	
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	1.4	mg/L	0.01
TCLP Cadmium	0.04	mg/L	0.01
TCLP Chromium	.12	mg/L	0.01
TCLP Lead	2.5	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.01
TCLP Silver	Below det lim	mg/L	0.01
TCLP Copper	.39	mg/L	0.01
TCLP Zinc	6.0	mg/L	0.01
TCLP Nickel	.08	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	19	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.7
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed	- <b>-</b>	
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0
		-	

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Parameter	Result	Units	$\mathtt{MDL}$
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	3510	mg/kg	0.50
Percent Water	8.03	8	0.01
BTU Value	11236	BTU/LB	100
Ash Solid Matrix	58.0	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

#### Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name	Result	Component MDL
Aldrin	Not detected	80000
a-BHC	Not detected	80000
b-BHC	Not detected	80000
d-BHC	Not detected	80000
g-BHC	Not detected	80000
Chlordane	5,100,000.	800000
4,4'-DDD	Not detected	160000
4,4'-DDE	Not detected	160000
4,4'-DDT	Not detected	160000
Dieldrin	Not detected	160000
Endosulfan I	Not detected	
Endosulfan II	Not detected	160000
Endrin	Not detected	160000
Endrin aldehyde	Not detected	
Endosulfan sulfate	Not detected	160000
Heptachlor	Not detected	80000
Heptachlor epoxide	Not detected	80000
Methoxychlor	Not detected	800000
Toxaphene	Not detected	800000
PCB-1016	Not detected	800000
PCB-1221	Not detected	800000
PCB-1232	Not detected	800000
PCB-1242	Not detected	800000
PCB-1248	Not detected	800000
PCB-1254	Not detected	800000
PCB-1260	Not detected	800000

#### Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

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#### Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0 ·
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	137	5.0
Trichloroethylene	30.9	5.0
Vinyl chloride	Not detected	5.0

#### Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

#### Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name O-Cresol M&P-Cresol Nitrobenzene Pentachlorophenol Pyridine 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol 2,4-Dinitrotoluene Hexachlorobenzene	Result Not detected	Component MDL 50.0 50.0 50.0 250.0 50.0 50.0 50.0 50.
Hexachloroethane Hexachloroethane	Not detected Not detected Not detected	50.0 50.0

#### Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	110.	2.5
Endrin	Not detected	0.5
Heptachlor	Not detected	0.25
Heptachlor epoxide	Not detected	0.25
Lindane	Not detected	0.25
Methoxychlor	Not detected	2.5
Toxaphene	Not detected	5.0
<del>-</del>		

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July 12, 1993

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
	Not dotogted	5.0

2,4-D Not detected 5.0 Not detected 1.0

#### Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	100
Benzene	Not detected	100
Carbon Tetrachloride	Not detected	100
Chlorobenzene	Not detected	100
1,2,Dichlorobenzene (ortho)	Not detected	100
Ethyl Acetate	Not detected	100
Ethyl Benzene	6,370	100
Ethyl Ether	Not detected	100
Methylene Chloride	Not detected	100
Methyl Ethyl Ketone (2-Butanone)	Not detected	100
Methyl Isobutyl Ketone (MIBK)	Not detected	100
Tetrachloroethylene	7,760	100
Toluene	1,430	100
1,1,1-Trichloroethane	Not detected	100
1,1,2-Trichloroethane	Not detected	100
Trichloroethylene	1,050	100
Trichlorofluoromethane	Not detected	100
1,1,2-Trichlortrifluoroethane (Freon	113) Not detected	100
xylene	4,260	100

#### Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

#### Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

#### Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component	MDL
M & P Cresol	Not detected	3300	
o-Cresol	Not detected	3300	
Nitrobenzene	Not detected	3300	
2-Nitropropane	Not detected	3300	
	Not detected	3300	

Data for TPH Fuels by FID GC :

Component Name Gasoline Kerosene Jet Fuel Deisel Fuel Oil # 2 Fuel Oil # 4 Fuel Oil # 6	Result Not detected	Component MDL
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc. 587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24443 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood C-4771 Soil

Sample collector: D. KOLTE

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter Flash Point	Result >200 5.90	Units degree F pH Units	MDL 200 0.10
pH Corrosivity Determination	Negative	ph offics	
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed	/-	0 01
TCLP Arsenic	0.20	mg/L	0.01
TCLP Barium	.47	mg/L	0.01
TCLP Cadmium	.34	mg/L	0.01
TCLP Chromium	.11	mg/L	0.01
TCLP Lead	.45	mg/L	0.005
TCLP Mercury	Below det lim Below det lim	mg/L mg/L	0.003
TCLP Selenium TCLP Silver	.014	mg/L	0.01
TCLP Copper	1.0	mq/L	0.01
TCLP Zinc	57	mg/L	0.01
TCLP Nickel	.19	mg/L	0.01
Total Metals Digest.Solid Matrix		9/	
Nickel Solid Matrix	50	mq/Kq	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.3
TCLP Extraction for Mercury	Completed	5 5	
Tot.Org.Carbon Solid Matix	23,600	mg/kg	<50
Sonication Ext. for Pesticide	Completed	<b>5 5</b>	
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed		
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	<del>-</del>		
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Mr. Nicholas Prevosti Sample I.D. AA24443 (continued)

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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed		
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed	<b>,_</b>	• •
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	460	mg/kg	0.50
Percent Water	10.90	8	0.01
BTU Value	680	BTU/LB	100
Ash Solid Matrix	681.6	mg/Kg	<b></b> 0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

### Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name Aldrin a-BHC b-BHC d-BHC g-BHC Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endrin Endrin aldehyde Endosulfan sulfate Heptachlor	Result Not detected Not detected Not detected Not detected Not detected 59,000 Not detected	1600 1600 800 1600
Heptachlor epoxide Methoxychlor	Not detected Not detected	8000
Toxaphene	Not detected	8000
PCB-1016	Not detected	8000
PCB-1221 PCB-1232	Not detected Not detected	8000 8000
PCB-1232 PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254 PCB-1260	Not detected Not detected	8000 8000

### Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	8.80	5.0

Mr. Nicholas Prevosti Sample I.D. AA24443 (continued)

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Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0 ·
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinvl chloride	Not detected	5.0

## Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	8000
PCB-1221	Not detected	8000
PCB-1232	Not detected	8000
PCB-1242	Not detected	8000
PCB-1248	Not detected	8000
PCB-1254	Not detected	8000
PCB-1260	Not detected	8000

#### Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
Pentachlorophenol	72.2	50.0

#### Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	180.	50.0
Endrin	Not detected	10.0
Heptachlor	Not detected	5.00
Heptachlor epoxide	Not detected	5.00
Lindane	Not detected	5.00
Methoxychlor	Not detected	50.0
Toxaphene	Not detected	100.0

#### Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	5.0
2,4,5-TP (Silvex)	Not detected	1.0

Mr. Nicholas Prevosti Sample I.D. AA24443 (continued)

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## Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	317	20
Carbon Tetrachloride	Not detected	20 .
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	1,790	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	9,330	20

#### Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

#### Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

#### Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

#### Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Mr. Nicholas Prevosti Sample I.D. AA24443 (continued) Page: 5 July 12, 1993

Data for TPH Fuels by FID GC:

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	•
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc.

587 E. Middle Turnpike, Box 418

Manchester, Ct. 06045-0418 (203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24444 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood D-4771 Clay

Sample collector: D. KOLTE

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter	Result	Units	MDL
Flash Point	>200	degree F	200
рН	5.18	pH Units	0.10
Corrosivity Determination	Negative	•	•
Reactivity	Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	1.9	mg/L	0.01
TCLP Cadmium	6.3	mg/L	0.01
TCLP Chromium	Below det lim	mg/L	0.01
TCLP Lead	Below det lim	mg/L	0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim		0.01
TCLP Silver	Below det lim		0.01
TCLP Copper	.25	mg/L	0.01
TCLP Zinc	1.0	mg/L	0.01
TCLP Nickel	Below det lim	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed		
Nickel Solid Matrix	49	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	3.5
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	8,430	mg/kg	<50
Sonication Ext. for Pesticide	Completed		
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles	see below	ug/L	5.0
Sonication Ext. For PCB	Completed	_	
Polychlorinated Biphenyls S.M.	see below	ug/Kg	80
TCLP Extraction Semi-Volatiles	Completed	- <del>-</del>	
TCLP Acid and Base-Neutral Ext.	see below	ug/L	10.0

Mr. Nicholas Prevosti Sample I.D. AA24444 (continued)

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Parameter	Result	Units	$\mathtt{MDL}$
TCLP Extraction for Pesticides.	Completed	4	
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed		
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed	•	
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	536	mg/kg	0.50
Percent Water	18.46	&	0.01
BTU Value	Below det lim	BTU/LB	100
Ash Solid Matrix	719.9	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

### Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name Aldrin a-BHC b-BHC d-BHC g-BHC Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan I Endosulfan II Endrin Endrin Endrin aldehyde	Result Not detected	Component MDL 40 40 40 40 40 400 80 80 80 80 80 80
Heptachlor Heptachlor epoxide	Not detected Not detected	40 40
Methoxychlor	Not detected	400
Toxaphene	Not detected	400
PCB-1016	Not detected	400
PCB-1221	Not detected	400
PCB-1232	Not detected	400
PCB-1242	Not detected	400
PCB-1248	Not detected	400
PCB-1254	Not detected	400
PCB-1260	Not detected	400

#### Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

Mr. Nicholas Prevosti Sample I.D. AA24444 (continued)

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## Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

### Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80
PCB-1221	Not detected	80
PCB-1232	Not detected	80
PCB-1242	Not detected	80
PCB-1248	Not detected	80
PCB-1254	Not detected	80
PCB-1260	Not detected	80

### Data for TCLP Acid and Base-Neutral Ext. ug/L:

Component Name	Result	Component MDL
0-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	Not detected	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

#### Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

Mr. Nicholas Prevosti Sample I.D. AA24444 (continued)

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Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL

2,4-D Not detected 500.0 2,4,5-TP (Silvex) Not detected 100.0

### Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	Not detected	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	Not detected	20
Ethyl Ether	Not detected	
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freonl13)	Not detected	20
xylene	Not detected	20

#### Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cyclohexanone	Not detected	5.0

#### Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

#### Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

·Mr. Nicholas Prevosti Sample I.D. AA24444 (continued)

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Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300 <sup>°</sup>
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Component Name	Result	Component MDL
Gasoline	Not detected	
Kerosene	Not detected	
Jet Fuel	Not detected	
Deisel	Not detected	
Fuel Oil # 2	Not detected	
Fuel Oil # 4	Not detected	
Fuel Oil # 6	Not detected	
Lube Oil	Not detected	

If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc. 587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24445 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood E-4771 Soilw/glue res

Sample collector: D. KOLTE

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter Flash Point pH	Result >200 6.47	Units degree F pH Units	MDL 200 0.10
Corrosivity Determination Reactivity	Negative Negative		
Reactivity Sulfide	Below det lim	mg/Kg	500
Reactivity Cyanide	Below det lim	mg/Kg	250
TCLP Extraction for Metals	Completed	4-	
TCLP Arsenic	Below det lim	mg/L	0.01
TCLP Barium	.30	mg/L	0.01
TCLP Cadmium TCLP Chromium	.04	mg/L	0.01
TCLP Chromium TCLP Lead	Below det lim	mg/L mg/L	0.01 0.1
TCLP Mercury	Below det lim	mg/L	0.005
TCLP Selenium	Below det lim	mg/L	0.003
TCLP Silver	.04	mq/L	0.01
TCLP Copper	.15	mq/L	0.01
TCLP Zinc	3.2	mg/L	0.01
TCLP Nickel	.03	mg/L	0.01
Total Metals Digest.Solid Matrix	Completed	_	
Nickel Solid Matrix	12	mg/Kg	0.10
Thallium Solid Matrix	Below det lim	mg/Kg	4.1
TCLP Extraction for Mercury	Completed		
Tot.Org.Carbon Solid Matix	>80,000	mg/kg	<50
Sonication Ext. for Pesticide	Completed	•	_
Pesticides/PCBs Solid Matrix	see below	ug/Kg	8
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles Sonication Ext. For PCB	see below	ug/L	5.0
Polychlorinated Biphenyls S.M.	Completed see below	na/Va	80
TCLP Extraction Semi-Volatiles		ug/Kg	δU
TCLP Acid and Base-Neutral Ext.	see below	uq/L	10.0
IIII WING DUDG HOUDERT DAG!	DCC DCION	~g, 11	10.0

Mr. Nicholas Prevosti Sample I.D. AA24445 (continued)

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Parameter	Result	Units	MDL
TCLP Extraction for Pesticides.	Completed	,_	
TCLP Pesticides	see below	ug/L	1.0
TCLP Extraction for Herbicides	Completed	~ /T	1.0
TCLP Herbicides	see below	ug/L	1.0
Sonication Ext. for Semi-Vol	Completed		
F001-F003 Solvents (Total)	see below	ug/Kg	20
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total)	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA (Total)	see below	ug/Kg	330
Tot.Org.Halogens Solid Matrix	570	mg/kg	0.50
Percent Water	8.12	8	0.01
BTU Value	6289	BTU/LB	100
Ash Solid Matrix	473.8	mg/Kg	1.0
Sulfide Solid Matrix	Below det lim	mg/Kg	20
TPH Fuels by FID GC	see below		

### Data for Pesticides/PCBs Solid Matrix ug/Kg:

Component Name Aldrin a-BHC b-BHC d-BHC g-BHC Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin Endosulfan II	Result Not detected Not detected Not detected Not detected Not detected 340,000 Not detected	Component MDL 8000 8000 8000 8000 8000 16000 16000 16000 16000 16000
Endrin	Not detected	16000
Endrin aldehyde Endosulfan sulfate	Not detected Not detected	16000 16000
Heptachlor	Not detected Not detected	8000 8000
Heptachlor epoxide Methoxychlor	Not detected	80000
Toxaphene PCB-1016	Not detected Not detected	80000 80000
PCB-1221	Not detected	80000
PCB-1232 PCB-1242	Not detected Not detected	80000 80000
PCB-1248	Not detected Not detected	80000 80000
PCB-1254 PCB-1260	Not detected	80000

### Data for TCLP Volatiles ug/L:

Component Name	Result	Component MDL
Benzene	Not detected	5.0

Mr. Nicholas Prevosti Sample I.D. AA24445 (continued)

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## Data for TCLP Volatiles (continued):

Component Name	Result	Component MDL
Carbon tetrachloride	Not detected	5.0
Chlorobenzene	Not detected	5.0
Chloroform	Not detected	5.0
1,4-Dichlorobenzene	Not detected	5.0
1,2-Dichloroethane	Not detected	5.0
1,1-Dichloroethylene	Not detected	5.0
Methyl ethyl ketone	Not detected	5.0
Tetrachloroethylene	Not detected	5.0
Trichloroethylene	Not detected	5.0
Vinyl chloride	Not detected	5.0

### Data for Polychlorinated Biphenyls S.M. ug/Kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	80000
PCB-1221	Not detected	80000
PCB-1232	Not detected	80000
PCB-1242	Not detected	80000
PCB-1248	Not detected	80000
PCB-1254	Not detected	80000
PCB-1260	Not detected	80000

### Data for TCLP Acid and Base-Neutral Ext. ug/L:

Ones and the Manager	Dogul+	Component MDT
Component Name	Result	Component MDL
O-Cresol	Not detected	10.0
M&P-Cresol	Not detected	10.0
Nitrobenzene	Not detected	10.0
Pentachlorophenol	170.	50.0
Pyridine	Not detected	10.0
2,4,5-Trichlorophenol	Not detected	10.0
2,4,6-Trichlorophenol	Not detected	10.0
2,4-Dinitrotoluene	Not detected	10.0
Hexachlorobenzene	Not detected	10.0
Hexachloro-1,3-butadiene	Not detected	10.0
Hexachloroethane	Not detected	10.0

#### Data for TCLP Pesticides ug/L:

Component Name	Result	Component MDL
Chlordane	4.8	4.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

- Mr. Nicholas Prevosti Sample I.D. AA24445 (continued)

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July 12, 1993

Data for TCLP Herbicides ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.

2,4-D Not detected 50. 2,4,5-TP (Silvex) Not detected 10.

Data for F001-F003 Solvents (Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	20
Benzene	236	20
Carbon Tetrachloride	Not detected	20
Chlorobenzene	Not detected	20
1,2,Dichlorobenzene (ortho)	Not detected	20
Ethyl Acetate	Not detected	20
Ethyl Benzene	601	20
Ethyl Ether	Not detected	20
Methylene Chloride	Not detected	20
Methyl Ethyl Ketone (2-Butanone)	Not detected	20
Methyl Isobutyl Ketone (MIBK)	Not detected	20
Tetrachloroethylene	Not detected	20
Toluene	Not detected	20
1,1,1-Trichloroethane	Not detected	20
1,1,2-Trichloroethane	Not detected	20
Trichloroethylene	Not detected	20
Trichlorofluoromethane	Not detected	20
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	20
xylene	2,800	20

Data for F003 & F005 Volatile (TCLP) ug/L:

Component Name	Result	Component MDL
Carbon Disulfide	Not detected	5.0
Cvclohexanone	Not detected	5.0

Data for F003 & F005 GC (Total) mg/Kg:

Component Name	Result	Component MDL
n-Butyl Alcohol	Not detected	0.5
2-Ethoxyethanol	Not detected	1.0
Isobutanol	Not detected	1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name	Result	Component MDL
Methanol	Not detected	0.5

Mr. Nicholas Prevosti Sample I.D. AA24445 (continued)
Page: 5
July 12, 1993

Data for F004 & F005 BNA (Total) ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	3300
o-Cresol	Not detected	3300
Nitrobenzene	Not detected	3300
2-Nitropropane	Not detected	3300
Pyridine	Not detected	3300

Data for TPH Fuels by FID GC :

Result	Component MDL
Not detected	
	Not detected

If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

From: Phoenix Environmental Laboratories Inc. 587 E. Middle Turnpike, Box 418
Manchester, Ct. 06045-0418
(203) 645-1102 Fax 645-0823

July 12, 1993

To: Mr. Nicholas Prevosti

Environmental Waste Tech., Inc.

1039 Chestnut St.

P.O. Box 38

Newton Upper Falls, Ma 02164

The following analytical results have been obtained for the indicated sample which was submitted to this laboratory:

Sample I.D. AA24446 Location code: EWT

Purchase order number: C-350

Location Description: Wildwood F-4771 #2 Oil

Sample collector: D. KOLTE

Sample collection date: 06/28/93 Time: 09:00 Lab submittal date: 06/29/93 Time: 16:30

Parameter Flash Point	Result 152 7.14	Units degree F pH Units	MDL 200 0.10
pH Corrosivity Determination	Negative	ph unics	0.10
Reactivity	Negative	_	
Reactivity Cyanide	Below det lim	mg/Kg	250
Reactivity Sulfide	Negative	mg/Kg	500
TCLP Extraction for Metals	Completed		
TCLP Arsenic	Below det lim	mg/L	0.10
TCLP Barium	Below det lim	mg/L	0.10
TCLP Cadmium	Below det lim	mg/L	0.10
TCLP Chromium	Below det lim	J.	0.10
TCLP Lead	Below det lim	mg/L	1.0
TCLP Mercury	Below det lim	mg/L	0.05
TCLP Selenium	Below det lim	mg/L	0.10
TCLP Silver	Below det lim	3.	0.10
TCLP Copper	.67	mg/L	0.10
TCLP Zinc	1.15	mg/L	0.10
TCLP Nickel	Below det lim	mg/L	0.10
Total Metals Digest, Oil/Solvent	Completed		
Nickel Oil/Solvent Matrix	Below det lim	mg/L	1.0
Thallium Oil/Solvent Matrix	Below det lim	mg/L	3.7
TCLP Extraction for Mercury	Completed		
TCLP Extraction for Volatiles.	Completed		
TCLP Volatiles-Oil/Solv.Matrix	see below	ug/kg	100
Polychlorinated Biphenyls O.S.M	see below	mg/kg	1.0
Pesticides/PCBs Oil/Solv. Matrx		mg/kg	1.0
Tot.Org.Carbon Oil/Solv. Matrix	80,000	mg/L	<50
TCLP Acid/Base ext.Oil/Sol.Matrx	see below	ug/L	10
TCLP Pesticides-Oil/Solv.Matrix	see below	ug/L	.1
TCLP Extraction for Herbicides	Completed	-	
TCLP Herbicides-Oil/Solv.Matrix	_	ug/L	1.00
•		-	

Mr. Nicholas Prevosti Sample I.D. AA24446 (continued)

Page: 2

July 12, 1993

Parameter	Result	Units	MDL
F001-F003 Solvents(Total)	see below	ug/Kg	100
F003 & F005 Volatile (TCLP)	see below	ug/L	5.0
F003 & F005 GC (Total) Oil/Solv.	see below	mg/Kg	1.0
F003 Solvents - GC - TCLP	see below	mg/L	0.5
F004 & F005 BNA(Total) Oil/Solv.	see below	ug/Kg	1000
Tot.Org.Halogens Oil/Sol. Matrx		mg/L	0.50
BTU Value	10014	BTU/LB	100
Ash Oil/Solvent Matrix	Below det lim	mg/L	1.0
Sulfide Oil/Solvent Matrix	Below det lim	mg/L	20
TPH Fuels by FID GC	see below		
Percent Water	2.00	육	0.01

## Data for TCLP Volatiles-Oil/Solv.Matrix ug/kg:

Component Name	Result	Component MDL
Benzene	23,700	2000
Carbon tetrachloride	Not detected	2000
Chlorobenzene	Not detected	2000
Chloroform	Not detected	2000
1,4-Dichlorobenzene	Not detected	2000
1,2-Dichloroethane	Not detected	2000
1,1-Dichloroethylene	Not detected	2000
Methyl ethyl ketone	Not detected	2000
Tetrachloroethylene	Not detected	2000
Trichloroethylene	Not detected	2000
Vinyl chloride	Not detected	2000

#### Data for Polychlorinated Biphenyls O.S.M mg/kg:

Component Name	Result	Component MDL
PCB-1016	Not detected	50
PCB-1221	Not detected	50
PCB-1232	Not detected	50
PCB-1242	Not detected	50
PCB-1248	Not detected	50
PCB-1254	Not detected	50
PCB-1260	Not detected	50

#### Data for Pesticides/PCBs Oil/Solv. Matrx mg/kg:

Component Name	Result	Component MDL
Aldrin	Not detected	50
alpha-BHC	Not detected	50
beta-BHC	Not detected	50
gamma-BHC(Lindane)	Not detected	50
delta-BHC	Not detected	50
Chlordane	Not detected	50
4,4'-DDD	Not detected	50
4,4'-DDE	Not detected	50
4,4'-DDT	Not detected	50

Mr. Nicholas Prevosti Sample I.D. AA24446 (continued)

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July 12, 1993

### Data for Pesticides/PCBs Oil/Solv. Matrx (continued):

Component Name Dieldrin Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Heptachlor epoxide Heptachlor Methoxychlor Toxaphene PCB-1016 PCB-1221 PCB-1232 PCB-1242	Result Not detected	Component MDL 50 50 50 50 50 50 50 50 50 50 50 50 50

#### Data for TCLP Acid/Base ext.Oil/Sol.Matrx ug/L:

Component Name	Result	Component MDL
0-Cresol	Not detected	20000
M&P-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
Pentachlorophenol	Not detected	100000
Pyridine	Not detected	20000
2,4,5-Trichlorophenol	Not detected	20000
2,4,6-Trichlorophenol	Not detected	20000
2,4-Dinitrotoluene	Not detected	20000
Hexachlorobenzene	Not detected	20000
Hexachloro-1,3-butadiene	Not detected	20000
Hexachloroethane	Not detected	20000

#### Data for TCLP Pesticides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
Chlordane	Not detected	5.0
Endrin	Not detected	1.0
Heptachlor	Not detected	0.50
Heptachlor epoxide	Not detected	0.50
Lindane	Not detected	0.50
Methoxychlor	Not detected	5.0
Toxaphene	Not detected	10.0

#### Data for TCLP Herbicides-Oil/Solv.Matrix ug/L:

Component Name	Result	Component MDL
2,4-D	Not detected	50.0

Mr. Nicholas Prevosti Sample I.D. AA24446 (continued) Page: 4

July 12, 1993

Data for TCLP Herbicides-Oil/Solv.Matrix (continued):

Component Name Result Component MDL

2,4,5-TP (Silvex) Not detected 10.0

Data for F001-F003 Solvents(Total) ug/Kg:

Component Name	Result	Component MDL
Acetone	Not detected	10000
Benzene	26,400	10000
Carbon Tetrachloride	Not detected	10000
Chlorobenzene	Not detected	10000
1,2,Dichlorobenzene (ortho)	Not detected	10000
Ethyl Acetate	Not detected	10000
Ethyl Benzene	237,000	10000
Ethyl Ether	Not detected	10000
Methylene Chloride	Not detected	10000
Methyl Ethyl Ketone (2-Butanone)	Not detected	10000
Methyl Isobutyl Ketone (MIBK)	Not detected	10000
Tetrachloroethylene	Not detected	10000
Toluene	725,000	10000
1,1,1-Trichloroethane	407,000	10000
1,1,2-Trichloroethane	Not detected	10000
Trichloroethylene	Not detected	10000
Trichlorofluoromethane	Not detected	10000
1,1,2-Trichlortrifluoroethane (Freon113)	Not detected	10000
xylene	1,520,000	10000

Data for F003 & F005 Volatile (TCLP) ug/L:

Component NameResultComponent MDLCarbon DisulfideNot detected2000CyclohexanoneNot detected2000

Data for F003 & F005 GC (Total) Oil/Solv. mg/Kq:

Component Name

n-Butyl Alcohol

2-Ethoxyethanol

Result

Not detected

1.0

Not detected

1.0

Data for F003 Solvents - GC - TCLP mg/L:

Component Name Result Component MDL Methanol Not detected 0.5

Mr. Nicholas Prevosti Sample I.D. AA24446 (continued) Page: 5

July 12, 1993

Data for F004 & F005 BNA(Total) Oil/Solv. ug/Kg:

Component Name	Result	Component MDL
M & P Cresol	Not detected	20000
o-Cresol	Not detected	20000
Nitrobenzene	Not detected	20000
2-Nitrobenzene	Not detected	20000
Pyridine	Not detected	20000

#### Data for TPH Fuels by FID GC:

Lube Oil Not detected	Component Name Gasoline Kerosene Jet Fuel Deisel Fuel Oil # 2 Fuel Oil # 4 Fuel Oil # 6 Lube Oil	Result Not detected Not detected Not detected Present Not detected Not detected Not detected Not detected	Component MDL
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If there are any questions regarding this data, please call.

Sohail Jahani

Laboratory Director

Sulge

## GENERATOR WASTE CHARACTERIZATION REPORT

MANAGEMENT SERVICES, INC.

·T# 046855

Is this a New Waste or Waste Streat Complete all sections of NAMPLE of this waste	for Approval? m Reapproval? Previous Approval # f this report, attach laboratory report	ts required and send with a REPRESENTATIVE ONE-PINT be scheduled for shipment until 1.) the facility has issued an
(	SECTION - TREATMENT DIS	SPOSAL & RECOVERY NEEDS
This waste approval re	equest is being submitted for (check a	ıll that apply):
MDI	TREATMENT Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120
	☐ RECOVERY/FUEL BLENDING Michigan Recovery Systems, Inc 36345 Van Born Road Romulus, MI 48174 ATTN: Technical Review	
W D I	☐ LANDFILL Wayne Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830
		R FACILITY INFORMATION
Plant Name 946 S	Almand Consciention  about it.  State Aix Zip  Light date	S.I.C. Codes*  US EPA ID #* 217 6/7 935 5 5 2 3  Telephone (5/3) 37/- 19/2 Fax ( )  Telephone ( ) Fax ( )
	SECTION III - INVOIC	CING INFORMATION
1 /2 (	15-10-15-12-12-12-12-12-12-12-12-12-12-12-12-12-	Has an account been opened? Yes $\square$ No $\square$ If Yes, Account # $\square$ $\square$ $\square$ Telephone $(\square)$ $\square$
		- SAMPLING
the approval review pro	abel must accompany this report to iniccess. Complete this label and attach INE-PINT SAMPLE of the waste.	tiate
Record the date and n	ame of person sampling:	Generator Site Name:
Sampling completed b	y Kos Sarenhe	Sample Collected By:
Date sample collected		
Date sample and form	sent	Date Collected: T#: 046855

	SECTION V - SHIPPING AND HANDLING INFORMATION /
1.	Is this waste: a. Reactive? Yes \( \begin{array}{cccccccccccccccccccccccccccccccccccc
3.	Shipping Volume per Week per Month
4.	Annual Total Valuma 2/ Dec. (AA) . One Time Only Valuma
5.	DOT Shipping Name* 4 2000 Was to Salid nows (Cochaire)  Hazard Class* UN/NA#* 3077
	SECTION VI - WASTE "FINGERPRINT"
1.	Select one or more general description(s) for the waste at 70°F:
	Powdery Solid  Sludge (non pumpable)   Other Solid*  Liquid (pumpable)
	Soils
2.	Does the waste have a characteristic odor?* Yes \( \Bar{\Q} \) No \( \Bar{\Q} \) Describe
	USEPA SW-846* Method
4. 5.	Are Free Liquids associated with this waste? Yes No No Security Nethod 9095  Density:
6.	pH-Range: <2 □ 2-4.9 □ 5-9.9 □ 10-12.4 □ >12.5 □ (attach lab results) Method 9040 or 9045
7.	
	(If Flash Point <140°F, provide TOC and VOC analytical results.)
	- Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
1. 2.	Waste Common Name  Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)
3	Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the
0.	waste: / / Minimum Maximum
	to
	TOTAL:
4.	Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules: YES NO CODES
	a. Does this waste meet any F listing description?
	c. Does this waste meet any P listing description?
	d. Does this waste meet any U listing description?
	f. Does this waste exhibit Corrosivity? (attach lab results)
1	g. Does this waste exhibit Reactivity? (attach lab results)
	h. Does this waste exhibit Toxicity? (attach lab results)
-	
_	j. Does this waste leach Zinc > 500ppm? (attach lab results)
5.	For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)
6.	Is this a non-hazardous liquid waste regulated by Michigan Act 136?*
	ach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).
1	,

<sup>\*</sup> See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*					
Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:  Water (%) Solids (%) Heat value (BTU/lb)  Sulfur (%) Chlorine (%) PCBs (total ppm)  Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%)					
Eliciose lab reports for 1 001 - 1 000					
	SECTIONIX	VERUEK	JATIUNS		
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*  2. Does the waste contain reactive sulfide above 500 ppm?*  3. Does this waste contain PCBs greater than 49 ppm?*  4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?  5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?  6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?  7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)  For those constituents not tested, mark "No" and sign the certification provided.				Waste  mpounds found ual to 1,000 mg/L? >130 mg/L)?	
Either "Yes" or "No" MUST be o	checked for each a	nd every const	tituent.		
TCLP REGI ACTION	JLATORY N LEVELS		ITUENT TE RTIFICATIO	ESTING CONDUCTED ON	
ZHE ORGANICS* D018 Benzene D019 Carbon Tetrachloride D021 Chlorobenzene D022 Chloroform D028 1,2-Dichloroethane D029 1,1-Dichloroethylene D035 Methyl Ethyl Ketone D039 Tetrachloroethylene D040 Trichloroethylene D043 Vinyl Chloride	mg./L 0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5 0.2	a a a a a a a a a a a a a	200000000000000000000000000000000000000	CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed	
METALS* D004 Arsenic D005 Barium D006 Cadmium D007 Chromium D008 Lead D009 Mercury D010 Selenium D011 Silver 001D Copper	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 100.0 500.0	व्यव्यव्यव्यव्यव्य		CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed	
ACID EXTRACTABLES* D023 o-Cresol** D024 m-Cresol** D025 p-Cresol** D026 Cresol D037 Pentachlorophenol D041 2,4,5-Trichlorophenol D042 2,4,6-Trichlorophenol	200.0 200.0 200.0 200.0 100.0 400.0 2.0			CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed	
** If o, m and p Cresols cannot be o	differentiated, use	Total Cresol co	ncentration	(Continued)	

<sup>\*</sup> See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)					
TCLP REGUI				ESTING CONDUCTED	
ACTION	LEVELS	OR CEP	TIFICATIO	JIN	
BASE NEUTRAL EXTRACTABLES*	mg./L	YES	NO	CERTIFICATION "Based upon my knowledge of the	
D027 1,4-Dichlorobenzene	7.5	<u> </u>		waste and the process generating the waste, these constituents are	
D030 2,4-Dinitrotoluene D032 Hexachlorobenzene	0.13 0.13	उद्याद्य सम्बद्ध		not present in the waste above	
D033 Hexachlorobutadiene	0.5	<u> </u>		hazardous classification levels."	
D034 Hexachloroethane	3.0 2.0			Signed	
D036 Nitrobenzene D038 Pyridine	5.0		<u> </u>	olgilod	
•		/		CERTIFICATION	
PESTICIDES* D020 Chlordane	0.03	[4]		"Based upon my knowledge of the	
D020 Chlordane D012 Endrin	0.02	급∕,		waste and the process generating	
D031 Heptachlor (& its Hydroxid				the waste, these constituents are not present in the waste above	
D013 Lindane D014 Methoxychlor	0.4 10.0	व्स्वाच्		hazardous classification levels."	
D014 Methoxychiol D015 Toxaphene	0.5	<u>a</u>			
		,		Signed	
HERBICIDES* D016 2,4-D	10.0	团,			
D017 2,4,5-TP (Silvex)	1.0	<b>U</b>			
REQUIREMENTS FOR A COMPLETE APPLICATION SUBMITTAL					
APPLICATION PACKAGE CON	TENTS				
All pertinent items must be included together in one application package.					
<ul> <li>□ 1) Waste Characterization Report Form</li> <li>□ 2) Lab Reports Required for:</li> <li>□ a. Free Liquid Testing</li> <li>□ b. pH</li> <li>□ c. Flashpoint</li> <li>□ d. Cyanide</li> <li>□ e. Sulfide</li> <li>□ f. Land Disposal Restriction Constituent Levels</li> <li>□ g. TCLP testing, including Copper and Zinc</li> <li>□ 3) Representative Sample of Waste</li> <li>□ 4) MSDS</li> <li>□ 5) Other:</li> </ul> "I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am					
"I hereby authorize Envotech personnel to add supplemental information to the waste approval life provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."  Signed					
Signed / /ames R Gnea	cen	Title .	Agont to	or Blatrice	
"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."					
Signature James 12 Great	Printe	ed Name <u>Ja</u>	mes R	Freacen Date 11-11-95	
Company RETEC		Title	Agest	For Beatine	

<sup>\*</sup> See full instructions on separate sheet.

MANAGEMENT SERVICES, INC.

T# 046861

An original report form must be completed for each separate waste stream. Do not submit copies.  Is this a New Waste for Approval?  The Waste Stream Reapproval? Previous Approval #					
(	SECTION I - TREATMENT, DIS	POSAL & RECOVERY NEEDS			
This waste approval re	equest is being submitted for (check al	I that apply):			
MDI	Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120			
	☐ RECOVERY/FUEL BLENDING Michigan Recovery Systems, Inc. 36345 Van Born Road Romulus, MI 48174 ATTN: Technical Review	Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100			
WATNIS HISTORIA TOP	☐ LANDFILL Wayne Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830			
SECTION II - GENERATOR FACILITY INFORMATION					
Plant Name	om 1 / Ry	S.I.C. Codes*  US EPA ID #* 10 6 6 7 9 5 5 5 3 7  Telephone (\$\frac{3}{2} \) 21 - 14 \ 22 \)  Telephone (\$\frac{3}{2} \) = \frac{7}{2}  Fax (\$\frac{1}{2} \)  Telephone (\$\frac{1}{2} \) = \frac{1}{2}  Fax (\$\frac{1}{2} \)			
	SEÇTION III - INVOIC	ING INFORMATION			
Customer FWT Address 130 14		Has an account been opened? Yes ☐ No ☐ If Yes, Account #			
Contact // Au	a /A State AAA Zip Delist	Telephone (61) 321 4421 Fax (27) 323 \$712			
	SECTION IV				
the approval review pr	label must accompany this report to init rocess. Complete this label and attach DNE-PINT SAMPLE of the waste.	iate to a Waste Common Name:			
Record the date and r	name of person sampling:	Generator Site Name:			
Sampling completed to	oy ? Seerdinha	Sample Collected By:			
	11/2/43				
	n sent	Date Collected: T#:			

	SECTION V - SHIPPING AND HANDLING INFORMATION
	No ☑ I I No ☑ I
1.	is this waste. a. Heady Sensitive? Yes \( \Bar\) No \( \Bar\) e. Oxidizer? Yes \( \Bar\) No \( \Bar\)
	Fig. Voc. The No.14 In Hadioactive? Tes Library
1	c. Explosive? Yes L. House at (313) 697-7830 before completing this form.  If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.
_	
2.	Shipping Mode: Bulk Liquid  Bulk Solid  Drums 134 Other Drums
3.	Shipping Mode: Bulk Liquid L. Bulk Solid L.
4.	Annual Total Volume One Start Land 1 1.05. (CANCHARE)
5.	Hazard Class* UN/NA ** UN/NA **
	SECTION VI - WASTE "FINGERPRINT"
1.	Select one or more general description(s) for the waste at 70°F:
	Powdery Solid U Studge (non pumpasis)
1	Other Solid*  Liquid (pumpable)
1	Soils Liquid (multi phase)
	Debris (describe)
2.	Debris (describe)  Does the waste have a characteristic odor?* Yes \( \Delta \) No \( \Delta \) Describe
1 2	Color Description*:
1	Are Free Liquids associated with this waste? Yes Mo No specific gravity  Density: lbs/gallon or lbs/cubic yards or specific gravity  No Density: lbs/gallon or lbs/cubic yards or specific gravity  No Density: lbs/gallon or lbs/cubic yards or specific gravity
4.	Are Free Liquids associated with this waste? Yes Lin No Linear Specific gravity
5.	Density:
6.	pH-Range: <2  2-4.9  5-9.9  10-12.4    >12.5  (attach lab results) Method 1010 Flash Point: - Liquid:* <90°F  90-140°F  140-200°F    >200°F  1 (attach lab results) Method 1010
7.	Flash Point: - Liquid:* <90°F 🔲 90-140 F 🗋 140-2001 🗀 22001 🔎 (attack that the state of the
	(If Flash Point <140°F, provide TOC and VOC analytical results) - Solid:* <90°F
L	- Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
4	1/ + 0/0 // 1/2/100
1.	
۲.	Provide a description of the process(es) generating this waste. (A DETAILED Du La
1	
1	
Ì	
	Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the
3.	
	waste: to %
	to%
	to%
1	
- (	to%
	TOTAL: ***
4	TOTAL:  TOTAL:  Boundary DCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Reactivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO/ CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Reactivity? (attach lab results)  Does this waste exhibit Toxicity? (attach lab results)
4	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste leach Copper > 100ppm? (attach lab results)
	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste leach Copper > 100ppm? (attach lab results)  j. Does this waste leach Zinc > 500ppm? (attach lab results)  J. J
5	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  i. Does this waste leach Copper > 100ppm? (attach lab results)  j. Does this waste leach Zinc > 500ppm? (attach lab results)  For hazardous wastes, does the waste exceed any land Disposal restriction treatment standard(s) for the applicable codes?* (attach lab results)
5	TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste leach Copper > 100ppm? (attach lab results)  j. Does this waste leach Zinc > 500ppm? (attach lab results)  J. J

SECTION VI	SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*						
Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:  Water (%) Solids (%) Heat value (BTU/lb)  Sulfur (%) Chlorine (%) PCBs (total ppm)  Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%)							
	SECTION	X - CERTIFI	CATIONS	}			
SECTION IX - CERTIFICATIONS  1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*  2. Does the waste contain reactive sulfide above 500 ppm?*  3. Does this waste contain PCBs greater than 49 ppm?*  4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?  5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?  6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?  7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*)  For those constituents not tested, mark "No" and sign the certification provided.  Either "Yes" or "No" MUST be checked for each and every constituent.						/	
TCLP REGI ACTION	JLATORY NLEVELS		TITUENT TI	ESTING CONDUCTI ON	ΕD		
ZHE ORGANICS* D018 Benzene D019 Carbon Tetrachloride D021 Chlorobenzene D022 Chloroform D028 1,2-Dichloroethane D029 1,1-Dichloroethylene D035 Methyl Ethyl Ketone D039 Tetrachloroethylene D040 Trichloroethylene D043 Vinyl Chloride	mg./L 0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5 0.2	្ត មិត្តស្តាលប្រជាជាប្រជាជាមាន	8000000000	CERTIFICATION "Based upon my ki waste and the proof the waste, these conot present in the v hazardous classific Signed	cess gene onstituent waste abo cation leve	erating s are ove	
METALS* D004 Arsenic D005 Barium D006 Cadmium D007 Chromium D008 Lead D009 Mercury D010 Selenium D011 Silver 001D Copper	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 100.0 500.0		00000000	CERTIFICATION "Based upon my ki waste and the proof the waste, these co not present in the v hazardous classific Signed	ess gene onstituent vaste abo	rating s are ve	
ACID EXTRACTABLES* D023 o-Cresol** D024 m-Cresol** D025 p-Cresol** D026 Cresol D037 Pentachlorophenol D041 2,4,5-Trichlorophenol D042 2,4,6-Trichlorophenol	200.0 200.0 200.0 200.0 100.0 400.0 2.0			CERTIFICATION "Based upon my ki waste and the proof the waste, these co not present in the v hazardous classific	ess gene onstituents vaste abo	rating s are ve	
** If o, m and p Cresols cannot be d	ifferentiated, use	** If o, m and p Cresols cannot be differentiated, use Total Cresol concentration (Continued)					

<sup>\*</sup> See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)						
TOLP REGULATORY		CONSTI	TUENT TE	STING CONDUCTED		
ACTION LE	VELS	OR CER	TIFICATIO	ON		
BASE NEUTRAL EXTRACTABLES* D027 1,4-Dichlorobenzene D030 2,4-Dinitrotoluene D032 Hexachlorobenzene D033 Hexachlorobutadiene D034 Hexachloroethane D036 Nitrobenzene D038 Pyridine	mg./L  7.5 0.13 0.13 0.5 3.0 2.0 5.0	YES DECIDED	NO	"Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed		
PESTICIDES* D020 Chlordane D012 Endrin D031 Heptachlor (& its Hydroxide) D013 Lindane D014 Methoxychlor D015 Toxaphene	0.03 0.02 0.008 0.4 10.0 0.5		00000	CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed		
HERBICIDES* D016 2,4-D D017 2,4,5-TP (Silvex)	10.0 1.0	G (1)				
APPLICATION PACKAGE CONTE		one application	package.			
□ 1) Waste Characterization Report Form □ 2) Lab Reports Required for: □ a. Free Liquid Testing □ b. pH □ c. Flashpoint □ d. Cyanide □ e. Sulfide □ f. Land Disposal Restriction Constituent Levels □ g. TCLP testing, including Copper and Zinc □ 3) Representative Sample of Waste □ 4) MSDS □ 5) Other:						
"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."  Signed						
"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."						
Signature Research Printed Name Sames R Greacen Date 4-11-92 Company RETEC Title Agent For Bestrice						
Company <u>RETEC</u>		Title	е <i>- мусп</i> и.	70		

<sup>\*</sup> See full instructions on separate sheet.



# GENERATOR WASTE CHARACTERIZATION REPORT

MANAGEMENT SERVICES, INC.

T# G46859

An original report form must be completed for each separate waste stream. Do not submit copies.  Is this a  New Waste for Approval?  Or					
	SECTION I - TREATMENT, DISP	POSAL & RECOVERY NEEDS			
This waste approval re	equest is being submitted for (check all	that apply):			
MOI	TREATMENT Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120			
	☐ RECOVERY/FUEL BLENDING Michigan Recovery Systems, Inc. 36345 Van Born Road Romulus, MI 48174 ATTN: Technical Review	Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100			
W D	☐ LANDFILL  Wayne Disposal, Inc.  49350 N. I-94 Service Drive  Belleville, MI 48111  ATTN: Technical Review	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830			
	SECTION II - GENERATOR	FACILITY INFORMATION			
Plant Name Address 244 50	lem St. Road	S.I.C. Codes*  US EPA ID #* /VI P 6 / 1 / 9 3 5 5 5 3 3  Telephone (\$\frac{1}{2} \) 27 - /49 } Fax ( )  Telephone ( ) Fax ( )			
	SECTION III - INVOIC	CING INFORMATION			
Customer Flag Address July Contact	Λοτα - Υ - Σ + - Β C × 5 Κ ————————————————————————————————————	Has an account been opened? Yes ☐ No ☐  If Yes, Account #			
<u> </u>	SECTION IV	- SAMPLING			
the approval review D	label must accompany this report to initrocess. Complete this label and attach ONE-PINT SAMPLE of the waste.	tiate			
Record the date and Sampling completed Date sample collecte	. /	Generator Site Name:  Sample Collected By:			
1	m sent	Date Collected: / T#: 046859			

	SECTION V - SHIPPING AND HANDLING INFORMATION /
1. 2. 3. 4. 5.	b. Shock Sensitive? Yes \( \) No \( \) \( \)   e. Oxidizer? Yes \( \) No \( \) \( \) C. Explosive? Yes \( \) No \( \)   f. Radioactive? Yes \( \) No \( \) If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form. Shipping Mode: Bulk Liquid \( \) Bulk Solid \( \) Drums \( \) Other \( \) Shipping Volume per Week \( \) per Month \( \) One Time Only Volume \( \) One Time Only Volume \( \) DOT Shipping Name* \( \) Annual Total Volume \( \) Annual Total Volume \( \) One Time Only Volume \( \)
	Hazard Class* GUN/NA #*
	SECTION VI - WASTE "FINGERPRINT"
	Select one or more general description(s) for the waste at 70°F:  Powdery Solid
2.	Does the waste have a characteristic odor?* Yes \( \Bar{\sqrt{No}} \) \( \Bar{\sqrt{No}}
4. 5. 6. 7.	Are Free Liquids associated with this waste? Yes \( \text{No } \text{No } \text{No } \text{No } \text{No } \text{SW-846*} \text{ Method } 9095 \\  Density: \( \text{Liquids associated with this waste? Yes } \text{No } \text{No } \text{No } \text{No } \text{Sw-846*} \text{ Method } 9095 \\  Density: \( \text{Liquids associated with this waste? Yes } \text{No } \text{No } \text{No } \text{No } \text{Sw-846*} \text{ Method } 9095 \\  Density: \( \text{Liquids associated with this waste? Yes } \text{No } \text{No } \text{No } \text{No } \text{No } \text{Sw-846*} \text{ Method } 9095 \\  Density: \( \text{Liquids associated with this waste? Yes } \text{No }
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
1. 2.	Waste Common Name So,/
3.	Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
5.	Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  i. Does this waste leach Copper > 100ppm? (attach lab results)  j. Does this waste leach Zinc > 500ppm? (attach lab results)

<sup>\*</sup> See full instructions on separate sheet.

		varvaeav/at	ING/EII	===XiB/IN(#E		
SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*  Only for Michigan Recovery Systems, Inc. wastes, perform all of the following analyses:  Heat value (BTU/lb)						
Only for Michigan Recovery Systems	, Inc. wastes, pe	rform all of the to	ollowing at — Hea	iaiyses. at value (BTU/lb)	•	
Water (%)	_ Solids (%) _ Chlorine (%	-///				
Sulfur (%) — Chlorine (%) — POBS (total ppm) — Enclose lab reports for F001 - F005 solvent scan and TCLP metals:* Ash (%) —						
Enclose lab reports for Foot - 1 003			ATIONIC			
	SECTION	X - CERTIFIC	Allene		Yes	No
		ا میشاد داند	150 nnm2*		Tes 🗆	No []
Does the waste contain cyanide	amenable to chic	orination above 2	200 ppini:			र्व व
2. Does the waste contain reactive	suitide above 50	m2*				豆
Does this waste contain PCBs g.     Is this a dioxin/furan waste as sp.	reater triain 45 pr	7.11. R 261.31 under l	Hazardous	Waste		
	9 E096 E097 E	11287				u
	a waata cantainii	m nainueuaieu u	organic co	mpounds found		(ZZ
1 4 40 CED Bort 20	ss in total concei	ntration dreater t	nan or equ	iai to 1,000 mg/E		E
a La Abia a liquid bazardous waste	containing Nicke	(>134 mg/L) 0	Triamum (	/100 mg/L/.		_
7. Mark the "Yes" column to indicate	te which TCLP to	esung nas been (	JUHUUULEU.	· (allaon		
lab results*)  For those constituents not tested	t mark "No" and	sian the certific	ation provi	ded.		
For those constituents not tested Either "Yes" or "No" MUST be cl	hecked for each	and every consti	tuent.			
1	•	CONSTI	TUENT TE	STING CONDUCT	ED	
TCLP REGU	LEVELS		TIFICATIO		•	
ACTION	LLVLLO	/ -				
ZHE ORGANICS*	mg./L	YĘŚ,	МО	CERTIFICATION		-645-
D018 Benzene	0.5	₫/		"Based upon my k		
D019 Carbon Tetrachloride	0.5			waste and the pro the waste, these o	cess yene onstituent	s are
D021 Chlorobenzene	100.0			not present in the	waste abo	ve
D022 Chloroform	6.0			hazardous classifi	cation leve	els."
D028 1,2-Dichloroethane	0.5	<b>₩</b> /		nazardodo olabo		
D029 1,1-Dichloroethylene	0.7 200.0	Ha H		Signed		
D035 Methyl Ethyl Ketone	0.7			- 3		
D039 Tetrachloroethylene D040 Trichloroethylene	0.5	⊡ /				
D040 Thichloroethylette D043 Vinyl Chloride	0.2	Q				
D043 Villyt Official		/				
METALS*		<del></del>		CERTIFICATION  "Based upon my l		of the
D004 Arsenic	5.0			waste and the pro		
D005 Barium	100.0	년 년		the waste, these		
D006 Cadmium	1.0 5.0			not present in the		
D007 Chromium	5.0 5.0			hazardous classif	ication lev	els."
D008 Lead D009 Mercury	0.2					
D009 Mercury D010 Selenium	1.0	⊡′,		Signed		
D011 Silver	5.0					
001D Copper	100.0	<u> </u>				
003D Zinc	500.0	L				
		/		CERTIFICATION	1	
ACID EXTRACTABLES*	200.0	<b>U</b>		"Based upon my		e of the
D023 o-Cresol**	200.0	<u> </u>		waste and the pro		
D024 m-Cresol**	200.0	$\overline{\square}_{l_{1}}$		the waste, these	constituer	nts are
D025 p-Cresol** D026 Cresol	200.0	□//		not present in the	e waste ab	ove
D026 Cresor D037 Pentachlorophenol	100.0			hazardous classi	fication lev	vels."
D041 2,4,5-Trichlorophenol	400.0	₫/		O'man and		
D042 2,4,6-Trichlorophenol	2.0			Signed		

(Continued)

<sup>\*\*</sup> If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

<sup>\*</sup> See full instructions on separate sheet.

	SECTI	ON IX - CE	RTIFICATIO	NS (Con	linued)		
	TCLP REGULATED ACTION LE			TUENT TE	ESTING CONDUCTED  ON		
	BASE NEUTRAL EXTRACTABLES* D027 1,4-Dichlorobenzene D030 2,4-Dinitrotoluene D032 Hexachlorobenzene D033 Hexachlorobutadiene D034 Hexachloroethane D036 Nitrobenzene D038 Pyridine	mg./L 7.5 0.13 0.13 0.5 3.0 2.0 5.0	YES DECIDED	NO	CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed		
	PESTICIDES* D020 Chlordane D012 Endrin D031 Heptachlor (& its Hydroxide) D013 Lindane D014 Methoxychlor D015 Toxaphene  HERBICIDES* D016 2,4-D	0.03 0.02 0.008 0.4 10.0 0.5	 		CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed		
	D017 2,4,5-TP (Silvex)	1.0	<b>□</b> [				
	REQUIREMEN	NTS FOR A C	COMPLETE APP	PLICATION	N SUBMITTAL		
	APPLICATION PACKAGE CONTE	NTS					
	All pertinent items must be included	together in o	ne application p	ackage.			
	<ul> <li>□ 1) Waste Characterization Report Form</li> <li>□ 2) Lab Reports Required for:</li> <li>□ a. Free Liquid Testing</li> <li>□ b. pH</li> <li>□ c. Flashpoint</li> <li>□ d. Cyanide</li> <li>□ e. Sulfide</li> <li>□ f. Land Disposal Restriction Constituent Levels</li> <li>□ g. TCLP testing, including Copper and Zinc</li> <li>□ 3) Representative Sample of Waste</li> <li>□ 4) MSDS</li> <li>□ 5) Other:</li></ul>						
"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."							
Sign	ned James R Greacen		Title _	Agent 8	n Bostrice		
"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."							
Sign	nature Vames R Greacen	Print	ed Name <u>Jan</u>	ies R. G.	rescon Date <u>U-11-93</u>		
Con	Signature Printed Name Tomes R Greacen Date U-11-93  Company RETEC Title Agent For Bestrice						

<sup>\*</sup> See full instructions on separate sheet.



### GENERATOR WASTE CHARACTERIZATION REPORT

MANAGEMENT SERVICES, INC.

T# 046860

	An original report form must be completed for each separa	te waste stream. Do not submit copies.
:	Is this a New Waste for Approval?  or Waste Stream Reapproval? Previous Approval # Complete all sections of this report, attach laboratory repor SAMPLE of this waste to the facility. Waste loads will not tapproval letter and 2.) the customer has signed and returned	ts required and send with a REPRESENTATIVE ONE-PINT be scheduled for shipment until 1.) the facility has issued ar
		SPOSAL & RECOVERY NEEDS
	This waste approval request is being submitted for (check a	all that apply):
	TREATMENT Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120
	☐ RECOVERY/FUEL BLENDING  Michigan Recovery Systems, Inc  36345 Van Born Road  Romulus, MI 48174  ATTN: Technical Review	
	LANDFILL  Wayne Disposal, Inc.  49350 N. I-94 Service Drive Belleville, MI 48111  ATTN: Technical Review	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830
		R FACILITY INFORMATION
	Generator Name W. Id and Cansul Julia (204) Plant Name Address 2 4 (2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	S.I.C. Codes* US EPA ID #* MP 6/7 455 55 13  Telephone (\$\frac{37}{2}\) Fax ( ) Telephone ( ) Fax ( )
	SECTION III - INVOI	CING INFORMATION
	Customer Address / Sty / Address / Sty / Address / Sty / Address / State MA Zip D/L/	Has an account been opened? Yes ☑ No ☐ If Yes, Account #
	Comaci — CAN TO	- SAMPLING
	A sample bearing this label must accompany this report to interest the approval review process. Complete this label and attach REPRESENTATIVE ONE-PINT SAMPLE of the waste.	itiate
	Record the date and name of person sampling:  Sampling completed by	Generator Site Name:
1	Date sample collected	- Z Sudah
	Date sample and form sent	Date Collected: T#:

<sup>\*</sup> See full instructions on separate sheet.

	SECTION V - SHIPPING AND HANDLING INFORMATION /
1	Is this waste: a. Reactive? Yes □ No 四/ d. Pyrophoric? Yes □ No 四/
"	b. Shock Sensitive? Yes □ No □/   e. Oxidizer? Yes □ No □/
]	c Explosive? Yes □ No ☑ I f. Radioactive? Yes U No Ⅲ
	If ves. contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.
2.	Skinning Mode: Rulk Liquid   Rulk Solid   Drums Lit Utner Li
3.	Shipping Volume per Week per Month
4.	Annual Total Volume One Time Only Volume
5.	Shipping Volume per Week  Annual Total Volume  DOT Shipping Nama* Non Hazardina, Won Resultation  Non Resultation
	Hazard Class* UN/NA#*UN/NA#*_
	SECTION VI - WASTE "FINGERPRINT"
	Salactions or more general description(s) for the waste at 70°F:
'-	Powdery Solid Sludge (non pumpable)
	Other Solid* Liquid (pumpable)
1	Soils
	Debris (describe)
2	Does the waste have a characteristic odor?* Yes \( \Delta \) No \( \Delta \) Describe \( \Delta \)
	Color Description*
	LIGHDA SW-846* MATRO
4.	Are Free Liquids associated with this waste? Yes No No
5.	Density: lbs/gallon or lbs/cubic yards or specific gravity Method 2040 or 2045
7.	Flash Point: - Liquid:* <90°F 🔲 90-140°F 🗎 140-200°F 🗋 >200 F 🖂 (attach lab results) : . Method 1010 (If Flash Point <140°F, provide TOC and VOC analytical results.)
1	- Solid:* <90°F  90-140°F  >140°F
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
1.	Waste Common Name 6/06 1295
2.	Dravide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MOST BE PROVIDED.
İ	ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)
3	Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the
"	waste: Minimum iviaximum
	to %
	to%
	100 0/
	TOTAL:
4.	Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:
7.	YES NO CODES
	a. Does this waste meet any F listing description?
	b. Does this waste meet any K listing description?
1	c. Does this waste meet any P listing description?
	d. Does this waste meet any U listing description?
1	e. Does this waste exhibit Ignitability? (attach lab results)
	f. Does this waste exhibit Corrosivity? (attach lab results)
	g. Does this waste exhibit Reactivity? (attach lab results)
	h. Does this waste exhibit Toxicity? (attach lab results)
	i. Does this waste leach Copper > 100ppm? (attach lab results)
_	J. Does this waste leading into a second any land Disposal restriction treatment
5.	standard(s) for the applicable codes?* (attach lab results)
_	standard(s) for the applicable codes: (dilator lab vocale)
6.	ttach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).
I A	macri arialytical results for all best constitutions of the second secon

<sup>\*</sup> See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*					
Only for Michigan Recovery Systems Water (%) Sulfur (%) Enclose lab reports for F001 - F005	s, Inc. wastes, pe Solids (%)	erform all of the f	ollowing analyses  Heat value PCBs (total	: e (BTU/lb)	
Enclose lab reports for 1 001 - 1 000		X - CERTIFIC			
	P)={Alleteiv=1	<u> </u>	/#W#N=/AN=	Ves	No.
1. Does the waste contain cyanide amenable to chlorination above 250 ppm?*  2. Does the waste contain reactive sulfide above 500 ppm?*  3. Does this waste contain PCBs greater than 49 ppm?*  4. Is this a dioxin/furan waste as specified in 40 CFR 261.31 under Hazardous Waste numbers F020, F021, F022, F023, F026, F027, F028?  5. Is this a California List hazardous waste containing halogenated organic compounds found in Appendix III of 40 CFR Part 268 in total concentration greater than or equal to 1,000 mg/L?  6. Is this a liquid hazardous waste containing Nickel (>134 mg/L) or Thallium (>130 mg/L)?  7. Mark the "Yes" column to indicate which TCLP testing has been conducted. (attach lab results*) For those constituents not tested, mark "No" and sign the certification provided. Either "Yes" or "No" MUST be checked for each and every constituent.					
TCLP REGU	,	CONSTI	TUENT TESTING	CONDUCTED	
ZHE ORGANICS* D018 Benzene D019 Carbon Tetrachloride D021 Chlorobenzene D022 Chloroform D028 1,2-Dichloroethane D029 1,1-Dichloroethylene D035 Methyl Ethyl Ketone D039 Tetrachloroethylene D040 Trichloroethylene D043 Vinyl Chloride	mg./L 0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5 0.2		"Base waste the ward not pr	TIFICATION  If upon my knowledge and the process get aste, these constitue esent in the waste all dous classification led	nerating nts are bove
METALS*  D004 Arsenic  D005 Barium  D006 Cadmium  D007 Chromium  D008 Lead  D009 Mercury  D010 Selenium  D011 Silver  001D Copper  003D Zinc	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 100.0 500.0	ত্তিত্ত্তিত্ত্ত্তিত	☐ "Base ☐ waste ☐ the w ☐ not pr ☐ hazar	TIFICATION  ed upon my knowledge  e and the process ge  aste, these constitue  resent in the waste a  redous classification le	nerating Ints are bove
ACID EXTRACTABLES* D023 o-Cresol** D024 m-Cresol** D025 p-Cresol** D026 Cresol D037 Pentachlorophenol D041 2,4,5-Trichlorophenol D042 2,4,6-Trichlorophenol	200.0 200.0 200.0 200.0 100.0 400.0 2.0		☐ "Base ☐ waste ☐ the w	TIFICATION ed upon my knowled e and the process ge aste, these constitue resent in the waste a rdous classification le	nerating ents are bove
** If o, m and p Cresols cannot be	differentiated, use	e Total Cresol co	ncentration		(Continued)

<sup>\*</sup> See full instructions on separate sheet.

· SE	(OTION IX - CE	THECATIO	NS (Con	tinued)	
TCLP REGULATORY		CONSTITUENT TESTING CONDUCTED			
ACTION LEVELS		OR CEF	RTIFICATIO	NC	
BASE NEUTRAL EXTRACTABLES* D027 1,4-Dichlorobenzene D030 2,4-Dinitrotoluene D032 Hexachlorobenzene D033 Hexachlorobutadiene D034 Hexachloroethane D036 Nitrobenzene D038 Pyridine  PESTICIDES* D020 Chlordane D012 Endrin D031 Heptachlor (& its Hydrox D013 Lindane	mg./L 7.5 0.13 0.13 0.5 3.0 2.0 5.0	OR Y DEBERE DOUDEDE	8 000000	CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed	
D014 Methoxychlor	10.0	ᄓ		hazardous classification levels."	
D015 Toxaphene	0.5	Ē		Signed	
HERBICIDES* D016 2,4-D D017 2,4,5-TP (Silvex)	10.0 1.0				
REQUIRE APPLICATION PACKAGE COI All pertinent items must be incli				N SUBMITTAL	
☐ 1) Waste Characterization☐ 2) Lab Reports Required☐ a. Free Liquid Testing☐ b. pH☐ c. Flashpoint☐ d. Cyanide☐ e. Sulfide☐ f. Land Disposal Restr☐ g. TCLP testing, includ☐ 3) Representative Sample☐ 4) MSDS☐ 5) Other:	n Report Form for: riction Constituent L ling Copper and Zin e of Waste	_evels nc			
"I hereby authorize Envotech personnacted to give verbal permission purposes of verification and confirm Signed A Guaco	n. I authorize Envo nation."	otech personne	el to obtain	the waste approval file provided I am a sample from any waste shipment for for Bedrice	
"I certify that all information (including attached information) is complete and factual and is an accurate representation of the known and suspected hazards, and waste generator regulations, pertaining to the waste described herein."					
Signature X James R Great	eu Printe	ed Name _ 💯	mes R	Ear Beatrice Date 11-11-90	
Company RETEC		Title	Agent s	For Beatrice	

<sup>\*</sup> See full instructions on separate sheet.



### GENERATOR WASTE CHARACTERIZATION REPORT

MANAGEMENT SERVICES, INC.

T# 046860

or Waste Stream Reapprove Complete all sections of this report	l? val? Previous Approval # i, attach laboratory reports iy. Waste loads will not be	required and send with a REPRESENTATIVE ONE-PINT scheduled for shipment until 1.) the facility has issued an
SECTION		POSAL & RECOVERY NEEDS
This waste approval request is bei	ing submitted for (check all	that apply):
49350 N. Belleville,	Disposal, Inc. I-94 Service Drive	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120
Michigan 36345 Va Romulus,	VERY/FUEL BLENDING Recovery Systems, Inc. n Born Road MI 48174 chnical Review	Hazardous and non-hazardous waste solvent recovery, recycling, and fuel blending. Containerized and bulk waste handling. Technology is BDAT for many organic wastes. Customer Service: (313) 326-3100
W 49350 N. Belleville,	isposal, Inc. I-94 Service Drive	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830
SECTION II - GENERATOR FACILITY INFORMATION		
Generator Name Wild with C Plant Name Address 2 Kb (a/vm. \ + State Contact Jam & bride		S.I.C. Codes*  JS EPA ID #* MP 617 435 55 13  Felephone (SV) 37/-1/22 Fax ( )
Alternate		elephone ( ) Fax ( )
SECTION III - INVOICING INFORMATION		
Address 1939 ACITA VIT	<u>[] AOX 23  </u> If	Has an account been opened? Yes ☑ No ☐  FYes, Account #
Contact () ave Steven	<u> </u>	elephone (6/1) 33.1 (1817) Fax ( )
SECTION IV - SAMPLING .		
A sample bearing this label must accompany this report to initiate the approval review process. Complete this label and attach to a REPRESENTATIVE ONE-PINT SAMPLE of the waste.  Waste Common Name:		
Record the date and name of person sampling:		Generator Site Name:
Sampling completed by 12 3 and nh		Sample Collected By:
Date sample collected		
		Date Collected: T#:

<sup>\*</sup> See full instructions on separate sheet.

	SECTION V - SHIPPING AND HANDLING INFORMATION /
1.	Is this waste: a Beactive? Yes □ No ☑/ d. Pyrophoric? Yes □ No ☑/
	D. SHOCK Sensitive: Tes Li
	a Evolocivo? Vos II NO IV II. Hadibactive: Tes Li NO Li I
	If yes, contact an Envotech Management Services Representative at (313) 697-7830 before completing this form.  Shipping Mode: Bulk Liquid  Bulk Solid  Drums  Other  Other
2.	Shipping Mode: Bulk Liquid ☐ Bulk Solid ☐ Drums ☐ Other ☐ Drums ☐ Other ☐
3.	Shipping Volume per Week per World
4.	Shipping Mode:  Shipping Volume per Week  Annual Total Volume  DOT Shipping Nama* Non Hazarday,  Non Resultation  Non Resulta
5.	Hazard Class* NOT DOT UN/NA#*
	SECTION VI - WASTE "FINGERPRINT"
1.	Select one or more general description(s) for the waste at 70°F:  Powdery Solid
	Powdery Solid
	Soils
	Debris (describe)
2.	to a standard to a dor't Voc II No III Describe
3.	Color Description*
1 -	USEPA SW-840° Method
4.	Are Free Liquids associated with this waste? Yes No
5.	Density: lbs/gallon or lbs/cubic yards or specific gravity  pH-Range: <2
6.	pH-Range: <2 \(  \) 2-4.9 \(  \) 5-9.9 \(  \) 10-12.4 \(  \) > 12.5 \(  \) (attach lab results) Method 1010 \( \text{ Flash Point: - Liquid:* } \) <90°F \(  \) 90-140°F \(  \) 140-200°F \(  \) 3-200°F \(  \) (attach lab results) Method 1010
7.	(If Flash Point <140°F, provide TOC and VOC analytical results.)
İ	- Solid:* <90°F  90-140°F  >140°F
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
	SECTION VIII-GENERATING PROCESS & TRAZATIOGOS OF THE TRAINING PROCESS & TRAZATIOGOS OF TRAINING PROCESS & TRAZATIOGOS & TRAZATIOS & TRAZ
	Waste Common Name
2.	ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)
	ATTACH ADDITIONALT ACE(O) ONE WHILE THE SECOND CONTROL OF SECOND C
1	
	Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the
3.	wester Waximum Waximum
	10
	to
1	to%
	TOTAL:
4.	Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:
"	120 119 00020
	b. Does this waste meet any K listing description?
	c. Does this waste meet any Risting description?
	b. Does this waste meet any V listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  i. Does this waste leach Copper > 100ppm? (attach lab results)
	e. Does this waste exhibit Ignitability? (attach lab results)
	f. Does this waste exhibit Corrosivity? (attach lab results)
	h. Does this waste exhibit Toxicity? (attach lab results)
	i. Does this waste leach Copper > 100ppm? (attach lab results)
5.	For hezordous wastes, does the waste exceed any land Disposal restriction treatment
	- standard(a) for the applicable codes?* (attach lab results)
6	Luting many begandous liquid waste regulated by Michigan ACL 130 ("
I A	ttach analytical results for all LDR constituents of concern for waste codes identified in item 4 (above).

<sup>\*</sup> See full instructions on separate sheet.

SECTION VIII - RECLAMATION/RECYCLING/FUEL BLENDING*								
Only for Michigan Recovery Systems	, Inc. wastes, pe	rform all of the f	ollowing and	alyses: value (BTU/lb)				
Water (%) Sulfur (%)	Chlorina (%	$ \cdot $ $ \mathcal{U} $	PCB	s (total ppm)		<del></del>		
Enclose lab reports for F001 - F005 s	solvent scan and	TCLP metals	Z Ash	(%)				
	SECTION	X-CERTIFIC	ATIONS			j		
			0+		Yes	Ng <sup>/</sup> □ /		
1. Does the waste contain cyanide	amenable to chic	orination above :	250 ppm?*					
Does the waste contain reactive     Does this waste contain PCBs graph.	reater than 49 00	m?*				<b>ď</b> ,		
A le this a dioxin/furan waste as sp	ecified in 40 CFI	3 261.31 under	Hazardous \	Waste		r <del>v</del>		
1 FOOD FOOT FOOD FOO	3 FN26 FN27 F	028?				<b>"</b> /		
5. Is this a California List hazardous in Appendix III of 40 CFR Part 26	ss in total concer	ntration dreater i	man or equa	ii to 1,000 ing/E:		回		
han to the a limited barardous wasta i	containing Nickel	l (>134 ma/L) or	mailium (>	130 mg/L):				
7. Mark the "Yes" column to indicat	e which TCLP te	esting has been	conducted. (	(aπacn				
lab results*) For those constituents not tested	l. mark "No" and	sign the certific	ation provide	ed.				
Either "Yes" or "No" MUST be ch	necked for each	and every const	Ruent.					
TCLP REGU		CONSTI	TUENT TES	STING CONDUCT	ED			
ACTION	LEVELS	OR CEF	TIFICATION	N				
ZHE ORGANICS*	mg./L	YES		CERTIFICATION				
D018 Benzene	0.5	क्रिय्यव्यव्यव्यव्य		"Based upon my k				
D019 Carbon Tetrachloride	0.5			waste and the pro the waste, these of	cess gen	erating ts are		
D021 Chlorobenzene	100.0	য়		not present in the	waste ab	ove		
D022 Chloroform	6.0			hazardous classifi	cation lev	/els."		
D028 1,2-Dichloroethane	0.5			mazardodo olado				
D029 1,1-Dichloroethylene	0.7 200.0	ਰੇ ਰੇ	ā	Signed	_	<u></u>		
D035 Methyl Ethyl Ketone	0.7	₫/ 「		- 3				
D039 Tetrachloroethylene D040 Trichloroethylene	0.5	⊡∕∕						
D043 Vinyl Chloride	0.2	<b>13</b> /						
Bo45 Vinyi Sinonas		/		CERTIFICATION				
METALS*	5.0	157.		"Based upon my l	knowleda	e of the		
D004 Arsenic	5.0 100.0	ত্ৰত্ত্ৰত্ত্ত্ত্ত্ত্ৰ		waste and the pro	cess ger	erating		
D005 Barium	1.0	₫,		the waste, these	constituer	nts are		
D006 Cadmium D007 Chromium	5.0	$\overline{\square}$		not present in the	waste at	ove		
D008 Lead	5.0	囡/		hazardous classif	ication le	vels."		
D009 Mercury	0.2	Ū∕		a				
D010 Selenium	1.0			Signed				
D011 Silver	5.0	<u>14</u>						
001D Copper	100.0	13 13						
003D Zinc	500.0							
ACID EXTRACTABLES*		_/,	_	CERTIFICATION				
D023 o-Cresol**	200.0			"Based upon my				
D024 m-Cresol**	200.0	<b>므</b> /		waste and the pro				
D025 p-Cresol**	200.0	<u> </u>		the waste, these				
D026 Cresol	200.0	<u>u</u>		not present in the hazardous classif				
D037 Pentachlorophenol	100.0	교 교		riazai uous Ciassii	iicalion ie	TOIG.		
D041 2,4,5-Trichlorophenol	400.0 2.0			Signed		······································		
D042 2,4,6-Trichlorophenol	2.0	قفسة		3				
		•				(O = = 41 == - = -11)		
** If o, m and p Cresols cannot be	differentiated, use	e Total Cresol c	oncentration	l		(Continued)		

<sup>\*</sup> See full instructions on separate sheet.

SECTION IX - CERTIFICATIONS (Continued)							
TCLP REGUL	_ATORY			ESTING CONDUCTED			
ACTION	LEVELS	OR CEF	TIFICATION	ON			
BASE NEUTRAL	mg./L	YEŞ	NO	CERTIFICATION			
EXTRACTABLES*	3.	_/,		"Based upon my knowledge of the			
D027 1,4-Dichlorobenzene	7.5	□/		waste and the process generating			
D030 2,4-Dinitrotoluene	0.13 0.13	1 <u>V</u>		the waste, these constituents are not present in the waste above			
D032 Hexachlorobenzene D033 Hexachlorobutadiene	0.13	व्ह्राच्य		hazardous classification levels."			
D033 Hexachloroethane	3.0	₫/		·			
D036 Nitrobenzene	2.0	Œψ		Signed			
D038 Pyridine	5.0	回					
		/		CERTIFICATION			
PESTICIDES* D020 Chlordane	0.03	ra/		"Based upon my knowledge of the			
D020 Chlordane D012 Endrin	0.02	<u> </u>	ō	waste and the process generating			
D031 Heptachlor (& its Hydroxid		<b>I</b>		the waste, these constituents are			
D013 Lindane	0.4	<u> </u>		not present in the waste above hazardous classification levels."			
D014 Methoxychlor	10.0	र्जिटाटाटा		nazardous classification levels.			
D015 Toxaphene	0.5	۳		Signed			
HERBICIDES*							
D016 2,4-D	10.0	면/ 면					
D017 2,4,5-TP (Silvex)	1.0	<u> </u>	U_				
APPLICATION PACKAGE CONT	MENTS FOR A C	OWN ELTE AL	Lioritio				
All pertinent items must be include	led together in o	ne application p	ackage.				
☐ 1) Waste Characterization I☐ 2) Lab Reports Required fo☐ a. Free Liquid Testing☐ b. pH☐ c. Flashpoint☐ d. Cyanide☐ e. Sulfide☐ f. Land Disposal Restric☐ g. TCLP testing, includin☐ 3) Representative Sample c☐ 4) MSDS☐ 5) Other:	Report Form r: tion Constituent g Copper and Zion	Levels nc					
"I hereby authorize Envotech personnel to add supplemental information to the waste approval file provided I am contacted to give verbal permission. I authorize Envotech personnel to obtain a sample from any waste shipment for purposes of verification and confirmation."  Signed Title Agent for Bedrice							
l /							
the known and suspected hazards, a	nd waste genera	ator regulations.	pertaining	etual and is an accurate representation of g to the waste described herein."			
Signature / John R Greace	e Print	ed Name _ Ja	mes R	For Beatrice Date 11-11-90			
Company / LTEC	·	Title .	MACRET	DI ISCATITICE			

<sup>\*</sup> See full instructions on separate sheet.

MANAGEMENT SERVICES, INC.

T# G46856

Is this a New Waste or Waste Stream Waste Stream Complete all sections of SAMPLE of this waste	for Approval? am Reapproval? Previous Approval # . of this report, attach laboratory report	s required and send with a REPRESENTATIVE ONE-PINT e scheduled for shipment until 1.) the facility has issued ar
	· · · · · · · · · · · · · · · · · · ·	POSAL & RECOVERY NEEDS
This waste approval r	equest is being submitted for (check a	Il that apply):
MIDI	☐ TREATMENT Michigan Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Hazardous and non-hazardous waste stabilization of solids, semi-solids slurries and liquids. Inorganic waste treatment to BDAT standards.  Customer Service: (313) 699-7120
	RECOVERY/FUEL BLENDING Michigan Recovery Systems, Inc 36345 Van Born Road Romulus, MI 48174 ATTN: Technical Review	
W	☐ LANDFILL Wayne Disposal, Inc. 49350 N. I-94 Service Drive Belleville, MI 48111 ATTN: Technical Review	Secure hazardous and non-hazardous waste landfill services. Containerized and bulk waste management. Customer Service: (313) 697-7830
	SECTION II GENERATOR	R FACILITY INFORMATION
Plant Name	altm St. R. Zip	S.I.C. Codes*  US EPA ID #*   ##   Telephone (504) 27 - 1012 Fax ( )  Telephone ( ) Fax ( )
	SECTION III - INVOIC	CING INFORMATION
Customer EWT Address / 35 C	12571 St. 30x 38 .	Has an account been opened? Yes ☑ No ☐ If Yes, Account #
Contact add	State AA Zip OD/AV	Telephone ( ) 332-3477 Fax (6/1)33-87/2
	SECTION IV	- SAMPLING
the approval review p	label must accompany this report to ini process. Complete this label and attach ONE-PINT SAMPLE of the waste.	tiate to a $++2$ o, /
	name of person sampling:	<b>—</b>
Sampling completed	/	<del>.</del>
Date sample collecte	d	·
Date sample and form	m sent	
L		

	SECTION V - SHIPPING AND HANDLING INFORMATION
1.	Is this waste: a. Reactive? Yes \( \begin{array}{c ccccc} \text{Yes} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \end{array} \\ \text{No} \\ \D \\ \text{No} \\ \D \\ \text{No} \\ \D \\ \D \\ \end{array} \\ \D \\ \text{No} \\ \D \\ \text{No} \\ \
	c. Explosive? Yes No Ly 1. Hadioactive? 163 185 185 185 185 185 185 185 185 185 185
2.	
3.	Shipping Volume per Week One Time Only Volume
4.	Annual Total Volume One Time Only Volume One T
5.	Shipping Volume per Week  Annual Total Volume — One Time Only Volume — COM Zerve  DOT Shipping Name* — One Time Only Volume — COM Zerve  Hazard Class* — UN/NA#* 1943
	SECTION VI - WASTE "FINGERPRINT"
1.	Select one or more general description(s) for the waste at 70°F:
''	Powdery Solid
1	Other Solid*
1	30115
	Debris (describe)
	Does the waste have a characteristic odor:
3.	Color Description*: USEPA SW-846* Method
4.	Are Free Liquids associated with this waste? Yes W No
5.	Density: lbs/gallon or lbs/cubic yards or specific gravity  pH-Range: <2
6.	pH-Range: <2  2-4.9  5-9.9  10-12.4  >12.5  (attach lab results) Method 1010 Flash Point: - Liquid:* <90°F  90-140°F  140-200°F  >200°F  (attach lab results) Method 1010
7.	Flash Point: - Liquid:* <90°F Li 90-140 F Li 140-200 F A 200 F Li (and VOC analytical results.)
	(If Flash Point < 140 F, provide 100 and 100 a
	- Solid:* <90°F 🔲 90-140°F 🔲 >140°F 🖂
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHARACTERISTIC(S)
4	Waste Common Name
1. 2.	Waste Common Name of the process (es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum waste:
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum waste:
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum waste:
	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum waste:
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum waste:    Minimum Maximum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum  to
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum    10
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PROVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED.  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the Minimum Maximum  to %  to %  TOTAL:  Based upon RCRA Hamardous Waste Regulations (40 CFR 261) and Michigan Act 64 Rules:  YES NO/ CODES  a. Does this waste meet any F listing description?  b. Does this waste meet any F listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  d. Does this waste exhibit Ignitability? (attach lab results)  g. Does this waste exhibit Reactivity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  Does this waste exhibit Toxicity? (attach lab results)
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY*)  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum
3.	Provide a description of the process(es) generating this waste: (A DETAILED EXPLANATION MUST BE PHOVIDED. ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAILS IF NECESSARY')  Based upon lab analyses and/or knowledge of the process(es) generating the waste, describe the composition of the waste:    Minimum

SECTION VII	I = BIEGLAMA	TION/RECY(	OLING/FU	JELBLENDING:	<b>k</b>	
Only for Michigan Recovery System Water (%) Sulfur (%)	s, Inc. wastes, p Solids (%) _ Chlorine (	erform all of the	following a	analyses: eat value (BTU/lb) CBs (total ppm)	10,0	14
Enclose lab reports for F001 - F005			***************************************	sh (%)		
	SECTION	X - CERTIFI	CATIONS	S		
<ol> <li>Does the waste contain cyanide</li> <li>Does the waste contain reactive</li> <li>Does this waste contain PCBs of</li> <li>Is this a dioxin/furan waste as synumbers F020, F021, F022, F02</li> <li>Is this a California List hazardou in Appendix III of 40 CFR Part 2</li> <li>Is this a liquid hazardous waste</li> <li>Mark the "Yes" column to indicat lab results*)</li> <li>For those constituents not tested Either "Yes" or "No" MUST be constituents</li> </ol>	sulfide above 50 reater than 49 poecified in 40 CF 23, F026, F027, is waste containing Nicked to which TCLP to d, mark "No" and	00 ppm?* pm?* FR 261.31 under F028? Ing halogenated entration greater el (>134 mg/L) cesting has been	r Hazardou I organic co than or eq or Thallium I conducted cation prov	s Waste Impounds found ual to 1,000 mg/L? (>130 mg/L)? I. (attach	Yes	
TCLP REGU		CONST		ESTING CONDUCT ON	ΓED	
ZHE ORGANICS* D018 Benzene D019 Carbon Tetrachloride D021 Chlorobenzene D022 Chloroform D028 1,2-Dichloroethane D029 1,1-Dichloroethylene D035 Methyl Ethyl Ketone D039 Tetrachloroethylene D040 Trichloroethylene D043 Vinyl Chloride	mg./L 0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5 0.2	व्यव्यव्यव्यव्यव्य	800000000	CERTIFICATION "Based upon my l waste and the pro the waste, these o not present in the hazardous classif	knowledge ocess gener constituents waste abo	rating s are ve
METALS* D004 Arsenic D005 Barium D006 Cadmium D007 Chromium D008 Lead D009 Mercury D010 Selenium D011 Silver 001D Copper	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 100.0	वि	000000000	CERTIFICATION "Based upon my l waste and the pro the waste, these o not present in the hazardous classif Signed	knowledge ocess gener constituents waste aborication leve	rating s are ve
ACID EXTRACTABLES* D023 o-Cresol** D024 m-Cresol** D025 p-Cresol** D026 Cresol D037 Pentachlorophenol D041 2,4,5-Trichlorophenol D042 2,4,6-Trichlorophenol	200.0 200.0 200.0 200.0 100.0 400.0 2.0	विविच्च विविव	0000	CERTIFICATION "Based upon my lives and the protection the waste, these control present in the hazardous classification."  Signed	knowledge ocess gener constituents waste abov	rating s are ve

(Continued)

<sup>\*\*</sup> If o, m and p Cresols cannot be differentiated, use Total Cresol concentration

<sup>\*</sup> See full instructions on separate sheet.

TCLP REGULAT	ORY	CONSTI	TUENT TESTING COND	DUCTED
ACTION LE	VELS .	OH CEH	RTIFICATION	
BASE NEUTRAL EXTRACTABLES* D027 1,4-Dichlorobenzene D030 2,4-Dinitrotoluene D032 Hexachlorobenzene D033 Hexachlorobutadiene D034 Hexachloroethane D036 Nitrobenzene D038 Pyridine	mg./L 7.5 0.13 0.13 0.5 3.0 2.0 5.0	YES चिचेचेचेचेचेचे	waste and the the waste, the not present in hazardous cl	TION my knowledge of the e process generating ese constituents are n the waste above assification levels."
PESTICIDES* D020 Chlordane D012 Endrin D031 Heptachlor (& its Hydroxide) D013 Lindane D014 Methoxychlor D015 Toxaphene  HERBICIDES*	0.03 0.02 0.008 0.4 10.0 0.5	प्रविध्व	waste and th the waste, th not present ii hazardous cl	TION my knowledge of the e process generating ese constituents are the waste above assification levels."
D016 2,4-D D017 2,4,5-TP (Silvex)	10.0 1.0	<b>₫</b> /		
APPLICATION PACKAGE CONTEN  All pertinent items must be included  1) Waste Characterization Rep 2) Lab Reports Required for: a. Free Liquid Testing b. pH c. Flashpoint d. Cyanide e. Sulfide f. Land Disposal Restriction g. TCLP testing, including C 3) Representative Sample of W 4) MSDS 5) Other:	together in of our Form  Constituent opper and Z	t Levels linc		proval file provided Lam
contacted to give verbal permission. I a purposes of verification and confirmation	uthorize Env	votech personne	I to obtain a sample fron	n any waste shipment for
"I certify that all information (including att the known and suspected hazards, and	ached inforn	nation) is comple	te and factual and is an a	accurate representation of
Signature / Omes R Greaters Company RETEC	Prin	ted Name <u>Ja</u>	mes R. Greacen	Date
Company RETEC		Title _	Agent for Bestrice	

<sup>\*</sup> See full instructions on separate sheet.

# GENERATOR WASTE CHARACTERIZATION REPORT

MANAGEMENT SERVICES, INC.

T#

G46857

eam. Do not submit copies.  and send with a REPRESENTATIVE ONE-PINT d for shipment until 1.) the facility has issued an
on agreement.  RECOVERY NEEDS
y):
rdous and non-hazardous waste stabilization of s, semi-solids slurries and liquids. Inorganic waste nent to BDAT standards. omer Service: (313) 699-7120
rdous and non-hazardous waste solvent recovecycling, and fuel blending. Containerized and waste handling. Technology is BDAT for many lic wastes. Customer Service: (313) 326-3100
re hazardous and non-hazardous waste landfill ces. Containerized and bulk waste management. omer Service: (313) 697-7830
Y INFORMATION
les*
Fax ( )Fax ( )
ORMATION
count been opened? Yes 🗘 No 🗆
=(6/2)32557 Fax ( )
ING
Waste Common Name:
Generator Site, Name:
Sample Collected By:
R. Sarrina
Date Collécted: 7 7 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

	SECTION V - SHIPPING AND HANDLING INFORMAT			/
	Is this waste: a. Reactive? Yes No d. Pyrophoric?	Ye	s 🛘	No ₫/
1.	b Shock Sensitive? Yes \( \Bar{\text{No}} \Bar{\text{D}} \) e. Oxidizer?		s 🗖	No 🗗
	Solution 2 Yes D No W f Badjoactive?	Ye	s 🗖	No 🖵
•	Huse contact an Envotech Management Services Representative at (313) 697-7830 before	e completi	ng this f	orm.
	and the state of t	Othe	r 🗆	
2.	ner Month 2			
3.	One Time Univ-Volume	<del>/</del>		
I .	Allituar total volume 1/2. He zarlavi Van Kes v/a 19	1 0 C O 1	·	
5.	Hazard Class* UN/NA #* Un/NA #*	RCKA		
	Hazaru Olass			
	SECTION VI - WASTE "FINGERPRINT"			
1.	Select one or more general description(s) for the waste at 70°F:	.1		
1 ''	Powdery Solid Studye (non-paripar	oie)		
ŧ	Other Solid*  Liquid (pumpable)			
1	Soils Liquid (multi phase)		ч	
İ	Debris (describe)	·		
2.	Debris (describe)  Does the waste have a characteristic odor?* Yes \(\Pi\) No \(\Omega\), Describe			
3	Color Description*:		24 014/	346* Method
	Are Free Liquids associated with this waste? Yes \( \sigma \) No \( \sigma \)	USE	ر میرین کے	Nethod 9095
4.	Are Free Liquids associated with this waste? Yes Li No Li	cific aravit		
5.	Are Free Liquids associated with this waste? Fes Light No	tel M	y Method 9	040 or 9045
6.	Density:	h lah resu	ilts) N	Method 1010
7.	Flash Point: - Liquid:* <90°F Ll 90-140°F Ll 140-200 F Ll >200 F Ll (attack	,,,,,a,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
-	(If Flash Point <140°F, provide TOC and VOC analytical results.) - Solid:* <90°F □ 90-140°F □ >140°F □			
	- Solid:* <90°F ☐ 90-140°F ☐ >140°F ☐	w.w.,		/S
	SECTION VII - GENERATING PROCESS & HAZARDOUS CHAR			S)
4	1// 4/ 1)0 ./ 4/			
	Waste Common Name Light, He Po Wally	NATION N	NUST BE	PROVIDED.
1. 2.	Waste Common Name Light, He Po Wally	NATION N	NUST BE	PROVIDED. Y*)
	1// 4/ 1)0 ./ 4/	NATION N LS IF NEC	MUST BE	PROVIDED. Y*)
	Waste Common Name Light, He Po Wally	NATION N	NUST BE	PROVIDED. Y*)
	Waste Common Name Light, He Po Wally	NATION N LS IF NEC	MUST BE	PROVIDED. Y*)
2.	Waste Common Name La / A: +C Po wally Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Output  The powday  Provide a description of the process(es) generating this waste: (A DETAILED EXPLA  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Output  The powday  Provide a description of the process(es) generating this waste: (A DETAILED EXPLA  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Output  The powday  The provide a description of the process(es) generating this waste: (A DETAILED EXPLA  ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  The powday of the process			
2.	Waste Common Name La A Po Wally Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Based upon lab analyses and/or knowledge of the process(es) generating the waste,	describe t		position of the
2.	Waste Common Name La La La Po Wally Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Based upon lab analyses and/or knowledge of the process(es) generating the waste, waste:  Minimum	describe t	he comp	position of the
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3.	Waste Common Name AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	describe t  to to to to  to  64 Rules:     YES	he comp Maximur	position of the n % % % % % % % % % % % % % % % % % %
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3.	Waste Common Name La La Po Waly Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Based upon lab analyses and/or knowledge of the process(es) generating the waste, waste:  Minimum  TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act a. Does this waste meet any F listing description? b. Does this waste meet any K listing description? c. Does this waste meet any P listing description? d. Does this waste meet any U listing description? e. Does this waste exhibit lgnitability? (attach lab results) f. Does this waste exhibit Corrosivity? (attach lab results) g. Does this waste exhibit Reactivity? (attach lab results) h. Does this waste exhibit Toxicity? (attach lab results) i. Does this waste leach Copper > 100ppm? (attach lab results) j. Does this waste leach Zinc > 500ppm? (attach lab results)	describe t	he comp Maximur	position of the n % % % % % % % % % % % % % % % % % %
3.	Waste Common Name Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Based upon lab analyses and/or knowledge of the process(es) generating the waste, waste:  Minimum  TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act  a. Does this waste meet any F listing description?  b. Does this waste meet any K listing description?  c. Does this waste meet any P listing description?  d. Does this waste meet any U listing description?  e. Does this waste exhibit Ignitability? (attach lab results)  f. Does this waste exhibit Corrosivity? (attach lab results)  h. Does this waste exhibit Toxicity? (attach lab results)  h. Does this waste leach Copper > 100ppm? (attach lab results)  j. Does this waste leach Zinc > 500ppm? (attach lab results)  For hazardous wastes, does the waste exceed any land Disposal restriction treatm standard(s) for the applicable codes?* (attach lab results)	describe t	he comp Maximur Septicial de de de de de de de de de de de de de	position of the n % % % % % % % % % % % % % % % % % %
3.	Waste Common Name La La Po Waly Provide a description of the process(es) generating this waste: (A DETAILED EXPLA ATTACH ADDITIONAL PAGE(S) SHOWING PROCESS FLOW DIAGRAM AND DETAIL  Based upon lab analyses and/or knowledge of the process(es) generating the waste, waste:  Minimum  TOTAL:  Based upon RCRA Hazardous Waste Regulations (40 CFR 261) and Michigan Act a. Does this waste meet any F listing description? b. Does this waste meet any K listing description? c. Does this waste meet any P listing description? d. Does this waste meet any U listing description? e. Does this waste exhibit lgnitability? (attach lab results) f. Does this waste exhibit Corrosivity? (attach lab results) g. Does this waste exhibit Reactivity? (attach lab results) h. Does this waste exhibit Toxicity? (attach lab results) i. Does this waste leach Copper > 100ppm? (attach lab results) j. Does this waste leach Zinc > 500ppm? (attach lab results)	describe t	he comp Maximur Septicial de de de de de de de de de de de de de	position of the n % % % % % % % % % % % % % % % % % %

<sup>\*</sup> See full instructions on separate sheet.

S 4						•
				EEBENDING*		
Only for Michigan Recovery System Water (%) Sulfur (%) Enclose lab reports for F001 - F005	_	6)	PC	nalyses: at value (BTU/lb) _ Bs (total ppm) _ n (%) _		
Endose las reperie les recentacións		***************************************				
	Siamiene)	X - CERTIFIC	WATER INS			/
<ol> <li>Does the waste contain cyanide</li> <li>Does the waste contain reactive</li> <li>Does this waste contain PCBs of</li> <li>Is this a dioxin/furan waste as sometimes of the sum of the su</li></ol>	sulfide above 50 preater than 49 propertied in 40 CFl 23, F026, F027, First waste containing 68 in total concert containing Nicke te which TCLP tend, mark "No" and	on ppm?* om?* R 261.31 under co28? Ing halogenated intration greater I (>134 mg/L) of esting has been	Hazardous organic cor than or equ r Thallium ( conducted.	Waste mpounds found lal to 1,000 mg/L? >130 mg/L)? (attach	Yes	2 P D D D D D D D D D D D D D D D D D D
TCLP REGU		CONST		STING CONDUCT	ED	
ZHE ORGANICS* D018 Benzene D019 Carbon Tetrachloride D021 Chlorobenzene D022 Chloroform D028 1,2-Dichloroethane D029 1,1-Dichloroethylene D035 Methyl Ethyl Ketone D039 Tetrachloroethylene D040 Trichloroethylene D043 Vinyl Chloride	mg./L 0.5 0.5 100.0 6.0 0.5 0.7 200.0 0.7 0.5 0.2	क्रांच्यायायायाय	8000000000	CERTIFICATION "Based upon my k waste and the proc the waste, these c not present in the hazardous classific	cess gene onstituent waste abo cation leve	rating s are ove
METALS* D004 Arsenic D005 Barium D006 Cadmium D007 Chromium D008 Lead D009 Mercury D010 Selenium D011 Silver 001D Copper 003D Zinc	5.0 100.0 1.0 5.0 5.0 0.2 1.0 5.0 100.0 500.0	व्यव्यव्यव्यव्यव्य	00000000	CERTIFICATION "Based upon my k waste and the prot the waste, these c not present in the hazardous classific	cess gene onstituent waste abo cation leve	erating s are ove
ACID EXTRACTABLES* D023 o-Cresol** D024 m-Cresol** D025 p-Cresol** D026 Cresol D037 Pentachlorophenol D041 2,4,5-Trichlorophenol D042 2,4,6-Trichlorophenol	200.0 200.0 200.0 200.0 100.0 400.0 2.0			CERTIFICATION "Based upon my k waste and the pro- the waste, these c not present in the hazardous classific	cess gene onstituent waste abo	erating s are ove
** If o, m and p Cresols cannot be d	ifferentiated, use	Total Cresol co	ncentration	1	(C	ontinued)

<sup>\*</sup> See full instructions on separate sheet.

- SECTI		ERMIFICATIO	VS (Con	inaed)
TCLP REGULAT ACTION LE			TUENT TE	ESTING CONDUCTED ON
BASE NEUTRAL EXTRACTABLES* D027 1,4-Dichlorobenzene D030 2,4-Dinitrotoluene D032 Hexachlorobenzene D033 Hexachlorobutadiene D034 Hexachloroethane D036 Nitrobenzene D038 Pyridine	mg./L  7.5 0.13 0.13 0.5 3.0 2.0 5.0	YES	80	CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed
PESTICIDES* D020 Chlordane D012 Endrin D031 Heptachlor (& its Hydroxide) D013 Lindane D014 Methoxychlor D015 Toxaphene  HERBICIDES* D016 2,4-D D017 2,4,5-TP (Silvex)	0.03 0.02 0.008 0.4 10.0 0.5	विस प्रचित्वत्व		CERTIFICATION  "Based upon my knowledge of the waste and the process generating the waste, these constituents are not present in the waste above hazardous classification levels."  Signed
REQUIREMENT APPLICATION PACKAGE CONTENT All pertinent items must be included	NTS			N SUBMITTAL
☐ 1) Waste Characterization Rep ☐ 2) Lab Reports Required for: ☐ a. Free Liquid Testing ☐ b. pH ☐ c. Flashpoint ☐ d. Cyanide ☐ e. Sulfide ☐ f. Land Disposal Restriction ☐ g. TCLP testing, including C ☐ 3) Representative Sample of V ☐ 4) MSDS ☐ 5) Other:	n Constituent Copper and Z Vaste	linc		
"I hereby authorize Envotech personne contacted to give verbal permission. I a purposes of verification and confirmation.  Signed	iuthorize Env n."	votech personne	l to obtain	a sample from any waste shipment for
"I certify that all information (including at the known and suspected hazards, and	tached inforn	nation) is comple	te and fac	tual and is an accurate representation of
Signature X James R Joseaces  Company RETEC				
Company <u>NETEC</u>	<u></u>	Title _	Agent Fo	or Bedrice

<sup>\*</sup> See full instructions on separate sheet.

#### X4-D011 - TOXICTTY CHARACTERSTIC HAZARDOUS WASTE

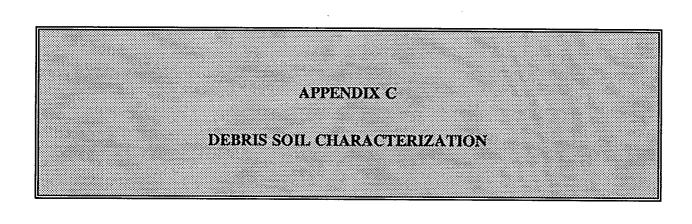
# FILE COPY

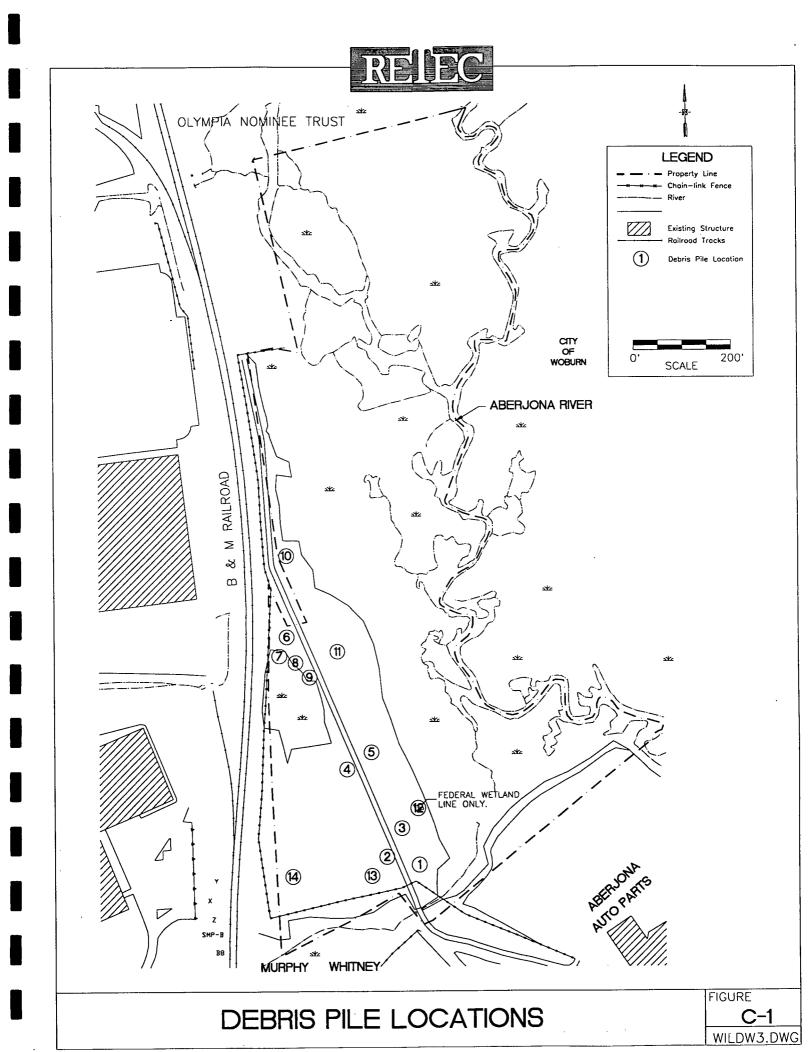
STES WHICH DO NOT N	MEET TREATME	NT STANDARDS NO	OTICE FI	ROM GENI	ERATOR TO DISPOS	AL FACILITY	(40 CFR 268.7 (a) (1) (i)
ac wastes identified on manif	est number MI3/	24997 and bearing	ng the EPA	A Hazardou	s Waste Number(s)	D006	. arc
ect to the land disposal res eeds the prohibitions specificatment standards or prohibitions	trictions of 40 CFR ied in 268.32 or RC	Part 268. This waste RA section 3004(d).	does not Analytical	meet the ap	plicable treatment stand available, has been pre	dards specified i	
pplicable treatment standa	ards from 40 CFR 26	8.41 (Table CCWE)	or 268.42	(Tables 1 ar	nd 2) or 268.43 (Table C	ccw)	• • • •
ardous Waste Pription	Constituents of concern	NONWASTEWAT Total Composition mg/kg	TCLP mg/L		WASTEWATER Total Composition mg/L	·	
Arsenic  D-Barium  O-Cadmium  O7-Chromium  B-Lead	Arsenic Barium Cadmium Chromium(lotal)  Mercury		5 ** 100 1 5 5 0.2 **		5 100 1 5 5 0.2		· :
### Alberton   Alberton   Balance   Hg)	IMERC.RMERC **	5.7		0.2			
11-Silver  his waste is exempt from t	Silver realment standards	until May 8, 1992	5				
California List Prohibition I s this waste contain any of			er than or	equal to the	e California List Prohib	oition levels give	n below?
s No <u>Constituents</u> 1,000 mg/kg Haloge  50 ppm. PCB's (liqu  134 mg/L Nickel (liqu  130 mg/L Thallium	id wastes) quid wastes)	pounds (HOCs listed	d in 268 A	ppendix III)			<b></b>
Additional Hazardous Cha No additional Hazardous C reatment standards for the	haracteristics are ex	•		-			ed above.
_ Certification							
All treatment standards an	d prohibition levels	applicable to this was	ste are ind	licated abov	c.*		
mpany Name: WILDWO	DD CONSERVAT	ION		EPA	ID: MP617935	5523	
horized Signature: XO R2			Dat	c:			
n 1		Waste A	Approv	al Code	: 111993MK		



Michigan Disposal, Inc.

ENVIRONMENTAL PROTECTION FACILITY
49350 N. I-94 Service Drive
Belleville, Michigan 48111
(313) 697-7830 • FAX: (313) 699-3499





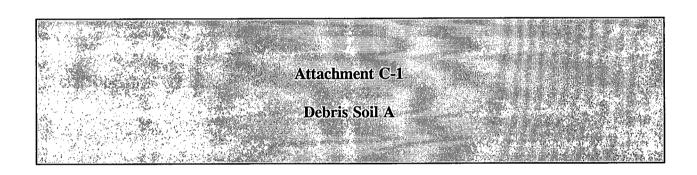


Table C-1

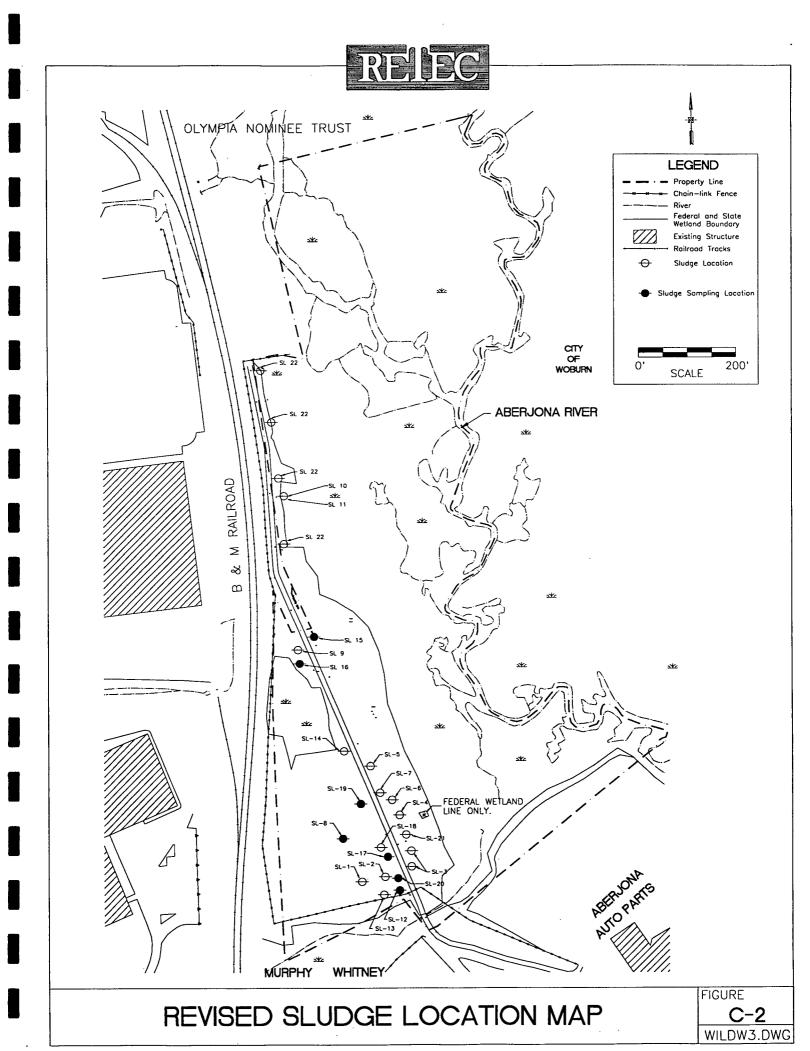
Debris Soil A Inventory

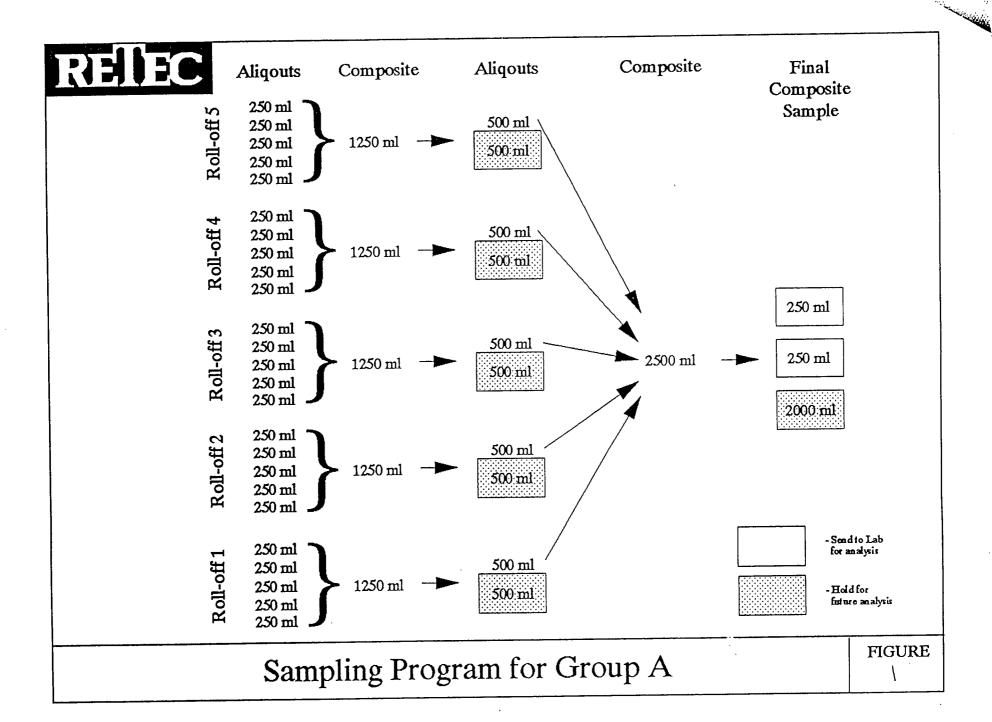
Container #	Contents
1	Debris Pile 3
2	Debris Piles 1 & 2
3	Debris Pile 4
4	Debris Piles 4 & 15
5	Debris Pile 5
6	Debris Pile 3
7	Debris Piles 8 & 10
8	Debris Pile 5
9	Debris Pile 4
10	Debris Piles 10 & 11
11	Debris Pile 5
12	Debris Pile 1
13	Debris Piles 2 & 3 and
	Sludge Locations 17, 18, 20, & 21
14	Sludge Location 19
15	Sludge Location 19
16	Sludge Location 19

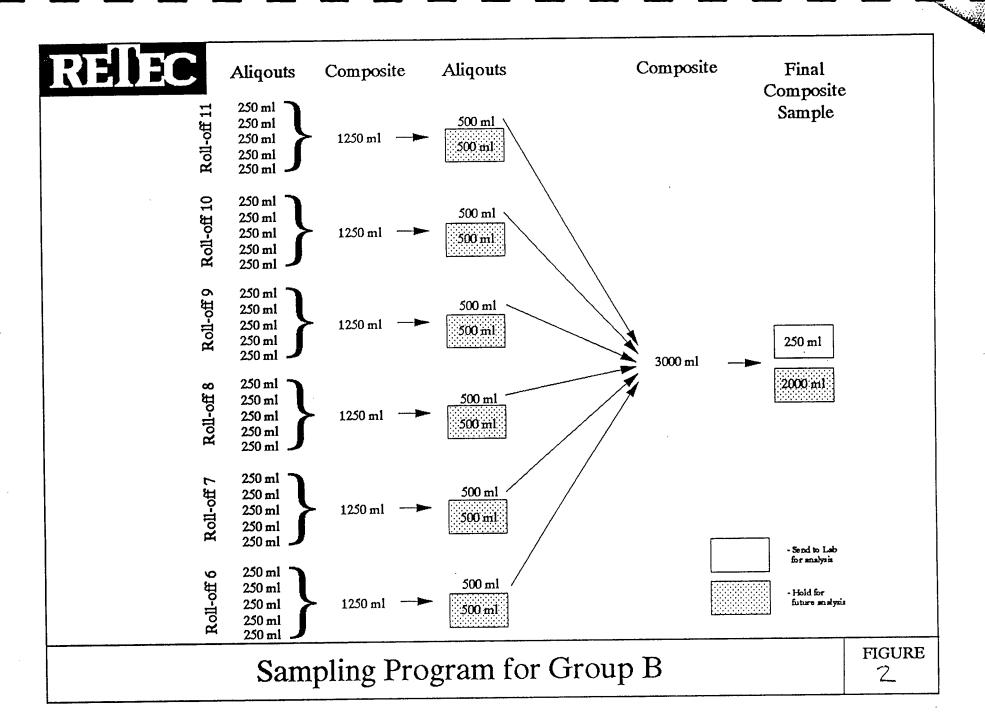
#### Note:

Containers 1 through 13 were 20 cyd rolloff boxes. Containers 14 through 16 were 4 cyd dumpsters.

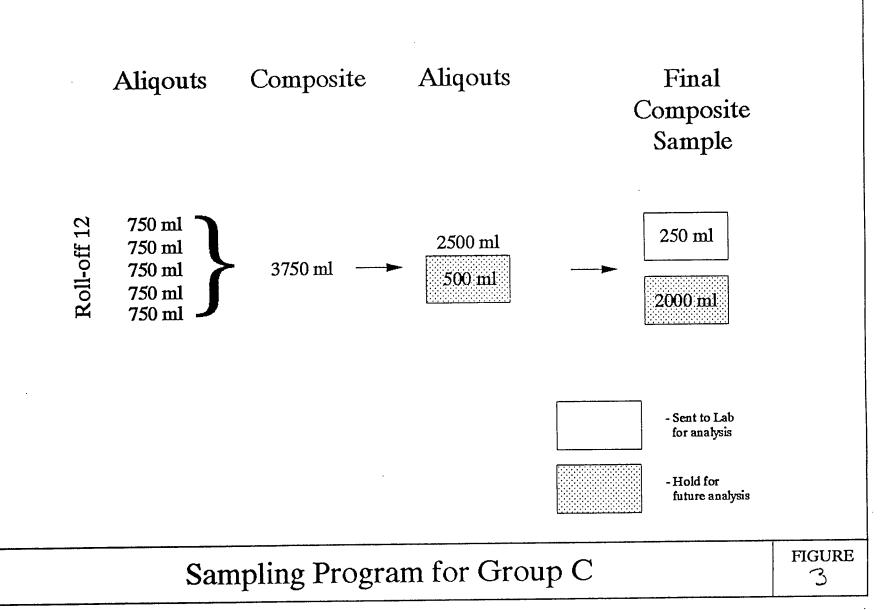
claquida\DEBRIA.WK4 03/13/95



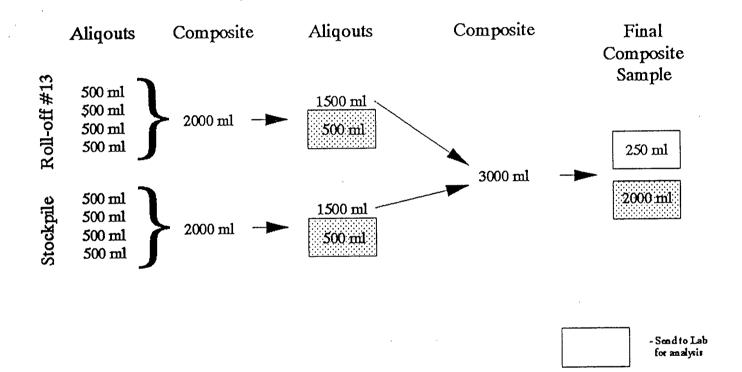




# RETEC



# RETEC

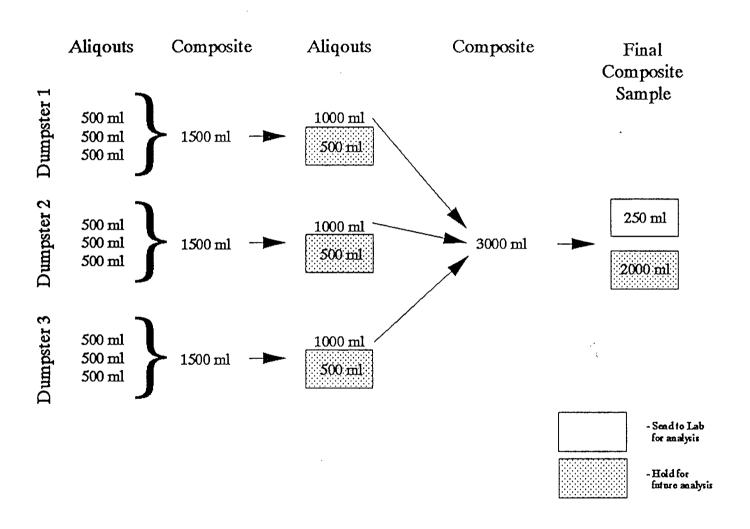


Sampling Program for Group D

FIGURE

- Hold for fature analysis

# RETEC



Sampling Program for Group E

FIGURE 5



WCD No. AA 83300

BROWNING-FERRIS INDUSTRIES	BFI WASTE CODE
WASTE EVAL	UATION REQUEST
BFI to complete this area.  BFI Initiator	Previous Laboratory Number  Management Method Requested:
WASTE CHARA	ACTERIZATION DATA
Spec IMPORTANT: THIS FORM IS TO BE COMPLETED BY A REPRESE	cial Waste ENTATIVE OF THE WASTE GENERATOR. PLEASE READ THE INSTRUC- EE USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY
	TOR INFORMATION
a) Generator's Name: Beatrice Focals Inc b) Generating Facility Address: BYE Rear Solem St City: Wobu-n State: MA Zip: c) Company Representative: Andrew Cates Title: Environmental Engineer / RETEC d) Emergency Contact: James Greacen Title Project Manager / 2ETEC	Cenerator's EPA Id. No. NA  f) Telephone No. ( ) ○ 371 - (472  After Hours No. ( ) ○ 287 - 6185
2. GENERAL WAST	E STREAM INFORMATION
a) Description of The Waste:	CERMOND OF CENSTRICTION CESTIS AND TOILS  cted characteristically hazardous waste?   Yes   No  ns?   Yes   No  igned:
	ROPERTIES @ 72°F
a) Physical State:    Solid	d) Layers:
	EACTIVITY
lote if the waste exhibits any of Water Reactive Alkaline	Reactive Pyrophoric Thermally Sensitive

 $\square$  Acid Reactive  $\square$  Autopolymerizable  $\square$  Explosive  $\square$  Shock Sensitive

None of the above

BF1	WA	STF	CODE	-

	5. THIS WAS	TE CONTAINS	
Note if the waste contains any of th	ne following:	<del></del>	
•	□ Dioxins	☐ Etiological Agents	☐ Radioactive Materials
	☐ Organic Solvents	☐ Pathogens	☐ PCBs not regulated by
	Used Oils	☑ OSHA Substances	TSCA 40 CFR 761
	□ Virgin Oils	☐ Biological Materials	☐ None of the above
		<del>-</del>	as part of the waste composition.
Section 6.			part or the value composition,
	6. COMPLETE WA	STE COMPOSITION	
Concentration ranges are suggested, percentages (%). Attach additional p		nits must be identified and are to b	oe in parts per million (ppm) and/or
	Range		Range
Components Construction Debris and So	Min. / Max. / > 99.99 /6	Components	Min. / Max.
Contraction Debres and Do			
Leack			
VCISS	<u> </u>		
	7. TRANSPORTAT	ION INFORMATION	
If the waste is a DOT Hazardous Ma			
Proper USDOT Shipping Name: USDOT Hazard Class:		CERCLA Repor	
	·	AL INFORMATION	
		<del></del>	_
□ None □ MSD Sheets	🛛 Analytical Data	<b>公</b> Memo/Letter	☐ Waste Composition
Other - describe			No. of Pages
	9. GENERATOR	S CERTIFICATION	
I hereby certify that the above and att no deliberate or willful omissions of c waste is not designated a Hazardous GENERATOR'S AUTHORIZED SIGNA	composition or properties exists Waste by the USEPA or conta	, that all known or suspected hazard	Is have been disclosed, and that the
4/20/93 Andrew Go	tee ("al	HTT Cariffee 101	tal Engineer AG
		· · · · · · · · · · · · · · · · · · ·	, , , , , , , , , , , , , , , , , , , ,
DATE PRINT NAME	SIGNATURE	TITLE	INITIALS
		SAMPLE CERTIFICATE	
This Section is to be completed by generator. <b>DO NOT</b> COLLECT OR S			
I certify that the sample identified be understand that, should the waste ma returned to the generator.			
Collector's Name:		(Peel Of	f Labell
Signature:		Generator's Name:	
Company:		Waste Description:	
Title:		Date Collected:	_wcd no. aa83300_
Telephone Number: ( )		Date at BFI Lab:	BFI Lab No

wcd Rev: 9/91

REPORT OF ANALYTICAL RESULTS

Shirt B. Committee Wasa

Case Number: D0728-13

Prepared for:

Remediation Technologies, Inc. 9 Pond Lane Concord, MA 01742 Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 2 AUGUST 1993

Reviewed By: Mark H. Bishop

Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

#### Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993 and re-submitted on 28 JULY 1993:

"Wells G&H - Wildwood Property"

- 1. Group A
- 2. Group B
- 3. Group C
- 4. Group D
- 5. Group E
- 6. Group F
- 7. Group G
- 8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0728-13

#### Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method</u> *
D0728-13: 1. Group A 2. Group B 3. Group C 4. Group D 5. Group E 6. Group F 7. Group G 8. Group H	TCLP Extraction Copper Nickel	1311 6010 6010

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

# Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

<sup>\*</sup>Note: These methods are documented in:

ANALYTICAL RESULTS

Case No. D0728-13

# Group A

<u>Parameter</u>	Result, mg/l
TCLP Extractable:	
Copper	0.02
Nickel	0.02

# Group B

<u>Parameter</u>	Result, mg/l
TCLP Extractable:	
Copper	0.14
Nickel	0.04

# Group C

<u>Parameter</u>	Result, mg/l
TCLP Extractable:	
Copper	0.03
Nickel	0.05

Case No. D0728-13

#### Group D

Parameter Result, mg/l

TCLP Extractable:

Copper < 0.02

Nickel <0.02

Group E

Parameter Result, mg/l

TCLP Extractable:

Copper <0.02

Nickel <0.02

Group F

Parameter Result, mg/l...

TCLP Extractable:

Copper 0.07

Nickel 0.02

Case No. D0728-13

#### Group G

Parameter	Result, mg/l
TCLP Extractable:	
Copper	<0.02
Nickel	<0.02

# Group H

Parameter	Result, mg/1
TCLP Extractable:	
Copper	0.03
Nickel	0.03

Sludge and Debra Sall Characterization 2000

REPORT OF ANALYTICAL RESULTS

Case Number: D0628-01

Prepared for:

Remediation Technologies, Inc. 9 Pond Lane Concord, MA 01742 Attn: Andy Gates

Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 15 JULY 1993

Reviewed By: 11047

Mark H. Bishop / Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

#### Sample Description

The following samples were submitted to New England Testing Laboratory on 28 JUNE 1993:

"Wells G&H - Wildwood Property"

- 1. Group A
- 2. Group B
- 3. Group C
- 4. Group D
- 5. Group E
- 6. Group F
- 7. Group G
- 8. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0628-01

#### Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	Method*
D0628-01: 1. Group A 2. Group B 3. Group C 4. Group D 5. Group E 6. Group F 7. Group G 8. Group H	Moisture Ash BTU's Grain Size	SW846 160.4 D2382-76 D422
1. Group A 2. Group B 3. Group C 4. Group D 5. Group E	Total Petroleum Hydrocarbons Total Halogens	3550/8015 E442

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

ASTM, Section 9 and Section 15

#### Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

<sup>\*</sup>Note: These methods are documented in:

ANALYTICAL RESULTS

Case No. D0628-01

#### Group A

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	26
Ash, %	66
BTU's/lb	<500
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	94

#### Group B

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	19
Ash, %	75 : .
BTU's/lb	521
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	112

<sup>\*</sup> Results reported on a Dry Weight Basis

## Group C

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	23
Ash, %	71
BTU's/lb	596
Total Halogens, mg/Kg	0.03
Total Petroleum Hydrocarbons, mg/Kg	309

## Group D

Parameter	Result *
Grain Size	Attached
Moisture, %	14
Ash, %	82 :
BTU's/lb	767
Total Halogens, mg/Kg	0.45
Total Petroleum Hydrocarbons, mg/Kg	700

<sup>\*</sup> Results reported on Dry Weight Basis

## Group E

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	23
Ash, %	67
BTU's/lb	777
Total Halogens, mg/Kg	<0.01
Total Petroleum Hydrocarbons, mg/Kg	156

### Group F

Parameter	Resul	<u>t</u> *
Grain Size	Attac	hed
Moisture, %	7	
Ash, %	26	:•
BTU's/lb	7300	

<sup>\*</sup> Results reported on a Dry Weight Basis

## Group G

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	5
Ash, %	82
BTU's/lb	2980

## Group H

<u>Parameter</u>	Result *
Grain Size	Attached
Moisture, %	16
Ash, %	58
BTU's/lb	6240

<sup>\*</sup> Results reported on a Dry Weight Basis

Thu Jul 15 09:43:11 1993

#### GEOTECHNICAL LABORATORY TEST DATA

Project : 00628-01

Project No. : CTX-375 Boring No. : ---

Depth : ---Test Date : 7/9/93

Test Method : ASTH D422

Filename : GROUPS Elevation: ---Tosted by : krk Checked by : gtt

The second secon

Sample No. : Group H

Soil Description : Silt, trace of ter, some organics with send

Remarks : \*\*\* SEE NOTE 1

		P	INE SIEVE SET		
Sieve	Sieve G	penings	Weight	Cumulative	Percent
Me≰h	Inches	Millimetera	Retained (gm)	Velght Retained (gm)	Finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375~	0.374	9.51	1.04	1.04	96
64	0.187	4.75	4.12	5.16	90
#10	0.079	2.00	4.66	9.82	62
#20	0.033	0.84	3.44	13.26	49
#40	0.017	0.42	2.50	15.76	39
#60	0.010	0.25	3.56	19.32	25
#100	0.006	0.15	1.50	20.82	19
#200	0.003	0.07	0,14	20.96	19
PAR			12.77	33.73	n

total Dry Weight of Sample = 33.73

D85 : 5.8988 pop D60 : 1.7501 mm D30.: 0.9173 mm p30.: 0.2995 📾 D15:: N/A

D10 : N/A

Soil Clammification

ASTH Group Symbol

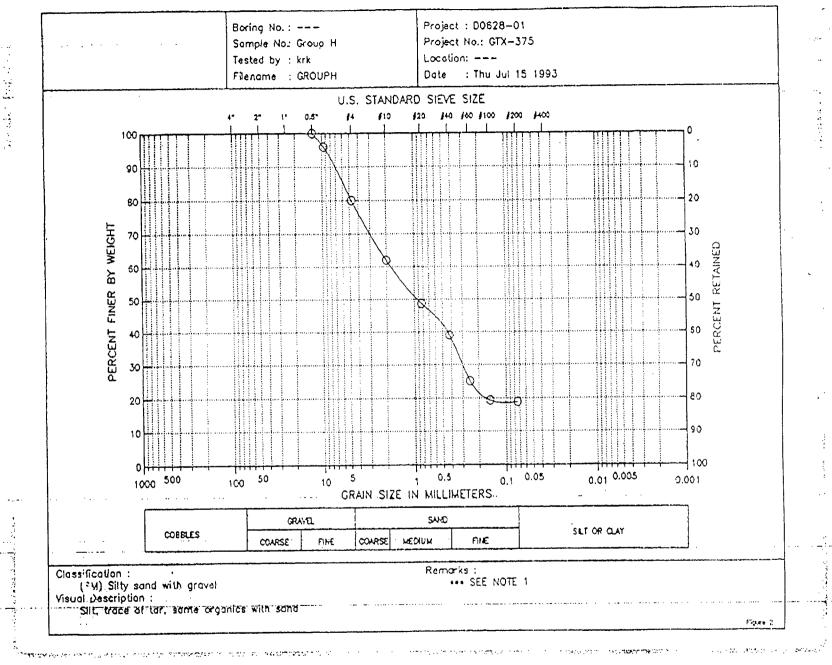
ASTH Group Name : silty sand with gravel

AASHTO Group Symbol : A-1-b(0)

RASHTO Group Neme : Stone Fragments, Gravel and Sand

George Express

-1



Page : 1

Thu Jul 15 09:43:08 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : 80628-01

Project No. : CTX-375

Boring No. : ---Sample No. : Group A Depth : ---

Test Date : 7/9/93 Test Hethod : ASTM D422 Filename : GROUPA Elevation : ---

Tested by : kck Checked by : gtt

Location : ---

Boil Description : Brown sand with organics (wood, fibers)

Remarks : ---

HYDROHETER

Hydrometer ID : hyl

Weight of air-dried soil - 30.51 cm Specific Gravity - 2.65

Specific Oravity

Hydroscopic Moisture Content : Weight of Wet Soil = 0 gm Weight of Dry Boil = 0 gm Haisture Content = 0

Elepted Time (min)	Radding	Temperature (deg. C)	Corrected Reading	Particle Sire (==)	Parcont Finer (%)	Adjusted Particle Sixe
	A_10	23,60	3.69	0.051	11	0.051
1.00	7.30	23.60	2.89	0.036	9	0.036
2.00	6.80	23.60	2.39	0.025	7	0.025
8.00	6.20	23.70	1.82	0.018	5	0.018
•	6.00	23.60	1.59	0.013	5	0.013
15.00	5.30	23.50	0.85	0.009	3	0.009
31.00 60.00	4.90	23.40	0.42	0.007	3.	9.007

		r	INE SIEVE SET		
Siove	Sieve O		Weight	Cumulative	Percent
Hesh !	Inches	Hillineters	Reteined (gm)	Veight Retained (go)	Finer (%)
υ.375°	0.374	9.51	0.00	0.00	100
14	0.187	4.75	1.20	1.20	96
#10	0.079	2.00	1.90	3.10	91
#20	0.033	0.84	3.43	6.53	81
#40	0.017	0.42	4.29	10.82	68
#60	0.010	0.25	6.84	17.66	<b>\$</b> 8
	0.006	0.15	6.26	23.92	30
#100	0.003	0.13	2.97	26.69	21
#200	0.003	0.07	14.68	41.57	o

Total Dry Weight of Sample - 41.57

D85 : 1.2096 min

p60 : 0.3408 mm

p50 : 0.2634 mm

D30 : 0.1510 mm D15 : 0.0591 mm

D10 : 0.0438 mm

Soil Classification

ASTM Group Symbol : SM

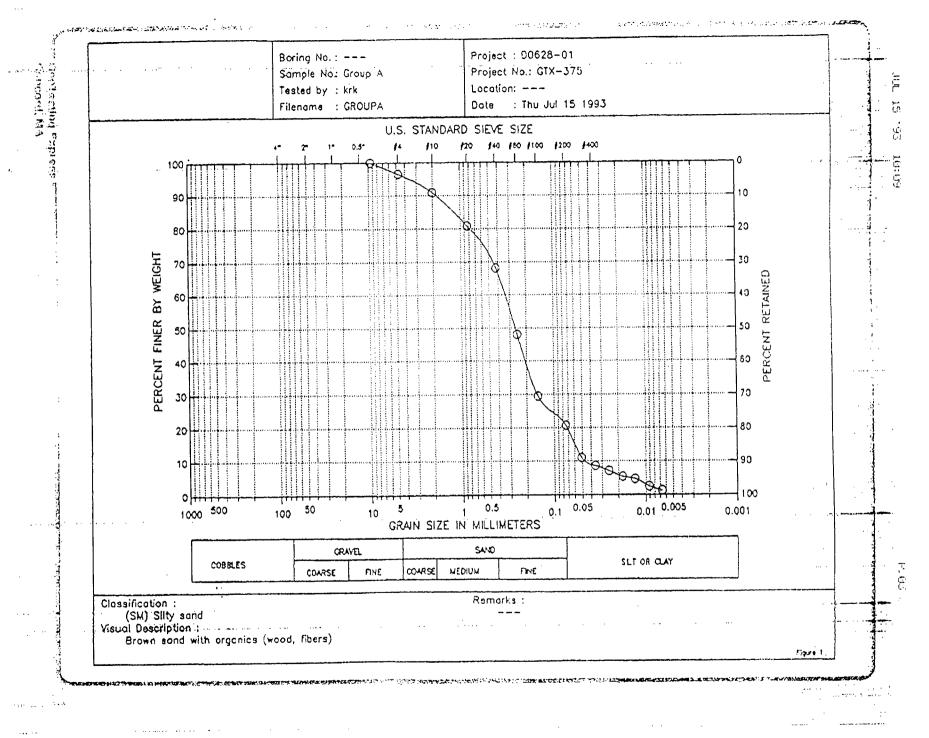
: Silty sand ASTH Group Name

ARSETO Group Symbol : A-2-4(0)

AASHTO Group Name : Silty Gravel and Sand

GroTealing Express \*\*\*\* Emgard, MA

3



Page : 1

Thu Jul 15 09:43:21 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01

Project No. : GTX-375 Boring No. : ---

Depth : ---

Tost Date : 7/9/93 Test Method : ASTM 0422 Filename : GROUPR Elevation : ---Tested by : krk Checked by : gtt

Sample:No. : Group 8 Location : ---

Soil Description : Dark brown sand with wood fibers and some glass

Remarks : ---

HYDROMETER

Hydrometer ID : hyl

Weight of mir-dried moil + 31.89 gm Specific Gravity. **→ 2.65** 

Hydroscopic Moisture Content : Weight of Wet Soil = 0 gm Weight of Dry Soil = 0 gm

Moisture ontent = 0

Elapsed Time (win)	Reading	Temperature (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
		24.50	3.20	0.050	8	0.050
1.00	7.30		2.70	0.036	7	0.036
2.00	6.30	24,50		0.030	5	0.025
4.00	6.20	24.50	2.10		=	0.018
8.00	6.00	24.40	1.87	0.018	5	
15.00	5.90	24.20	1.70	0.013	4	0.013
31.00	5.60	24.20	1.40	0.009	4	0.009

Sieve	Sieve O		T3E SUBIE AMI Weight	Cumulative	Percent
невь .	Inche#	Millimeters	Retained (gm)	Weight Retained (gm)	Finer (%)
0.375~	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	4.13	4.13	90
#10	0.079	2.00	3.68	7.81	81
#10 #20	0.033	0.84	3.47	11.28	72
#40	0.017	0.42	4,36	15.66	61
#40 #60	0.010	0.25	7.21	22.87	44
	0.006	0.15	6.75	29.62	27
#100 ·	0.003	0.07	3.19	32.61	19
#200 Pan	0.003	0.07	15.58	48.39	0

Total Dry Weight of Sample = 48.39

D85 : 2.9965 mm

160 : 0.4028 mm 050 : 0.3008 mm

D30 : 0.1634 mm

p15 : .0.0639 mm

010 : 0.0537 mm

Soil Cleanification

ASTM Group Symbol : SM ASTM Group Name : Silty sand

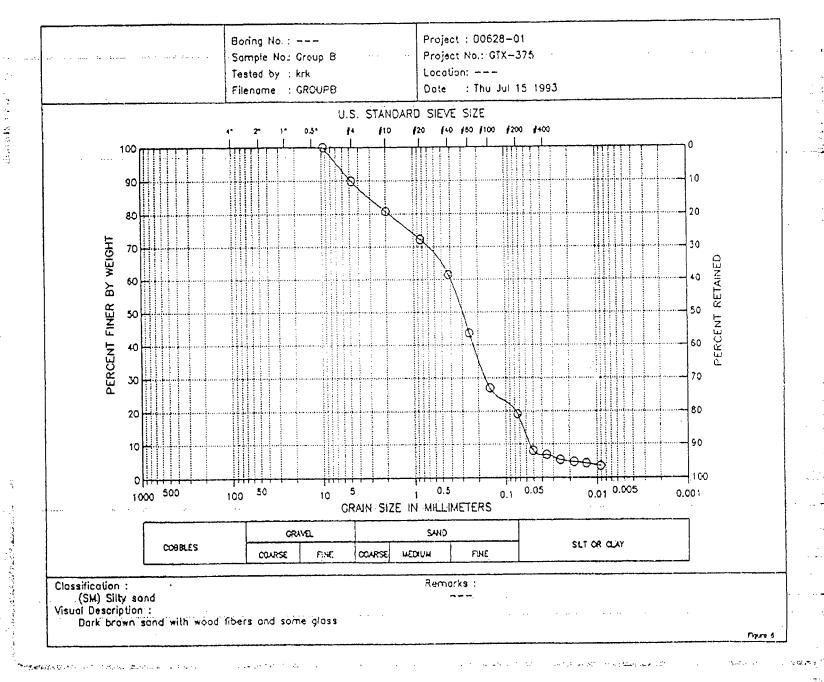
RSTM Group Name

AASHTO Group Symbol : A-2-4(0)

ABSHTO Group Nemma : Bilty Gravel and Sand

The sand things in the sand Constant, MA

والمنافق والمنطق في المنظمة والمنافق المنافق المنافق المنافق المنافق المنافق المنافقة المنافق



Thu Jul 15.09:43:15 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : 00628-01

Project No. : CIX-375 Boring No. : ---

Depth : ---

Test Date : 7/13/93 Test Nethod : ASTM 0422 Pilename : CROUPC Elevation : ---Tested by : krk

F. 68 .

Page :

Checked by : gtt

Sample No. : Group C Location : ---

Soil Description : Brown sand with some organics

Remarks : ---

HYDROMETER

Hydrometer ID : hyl

Weight of air-dried soil = 37.8 gm - 2.65

Specific Gravity

Hydroscopic Moisture Content : Weight of Wet Soil = 0 gm Weight of Dry Soil = 0 gm Moisture Content - 0

Elapsod Time (min)	Reading	Temperature (deg. C)	Corrected Reading	Perticle Size (mm)	Percent Finer (%)	Adjusted Particle Size
	8.20	24.60	4.14	0.050	10	0.050
1.00	7.20	24.60	3.14	0.036	6	0.036
2.00	6,80%	24.60	2.74	0.025	7	0.025
4.00	6.10	24.50	2.00	0.018	5	0.018
8.00	5.90	24.40	1.77	0.013	4	0.013
15.00		24.30	1,33	0.009	3	0.009
30.00 60.00	5.50 4.30	24.30	0.13	0.007	<b>o</b> .	0.007

•			FINE SIEVE SET	Cumulative	Percent
Hemps 31ana	Sieve O	Millimetere	Retained (gm)	Weight Retained (gm)	Finer (x)
0.375	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.53	0.53	99
#10 :	0.079	2.00	1.60	2.33	94
#20	0.033	0.84	2.72	5.05	. 87
#40	0.017	0.42	4.12	9.17	77
#60	0.010	0.25	2.33	19.50	54
	0.006	0.15	9.94	29.44	29
<b>#100</b>	0.003	0.07	4.42	32.86	18
#200 Pan	0.003	0.07	15.00	47.86	U

Total Dry Weight of Sample = 47.86

D85 : 0.7139 mm

D60 : 0.2863 mm p50 : 0.2303 emi

D30 : 0.1516 mm

D15 : 0.0632 tom

010 : 0.0478 med

Soil Clessification

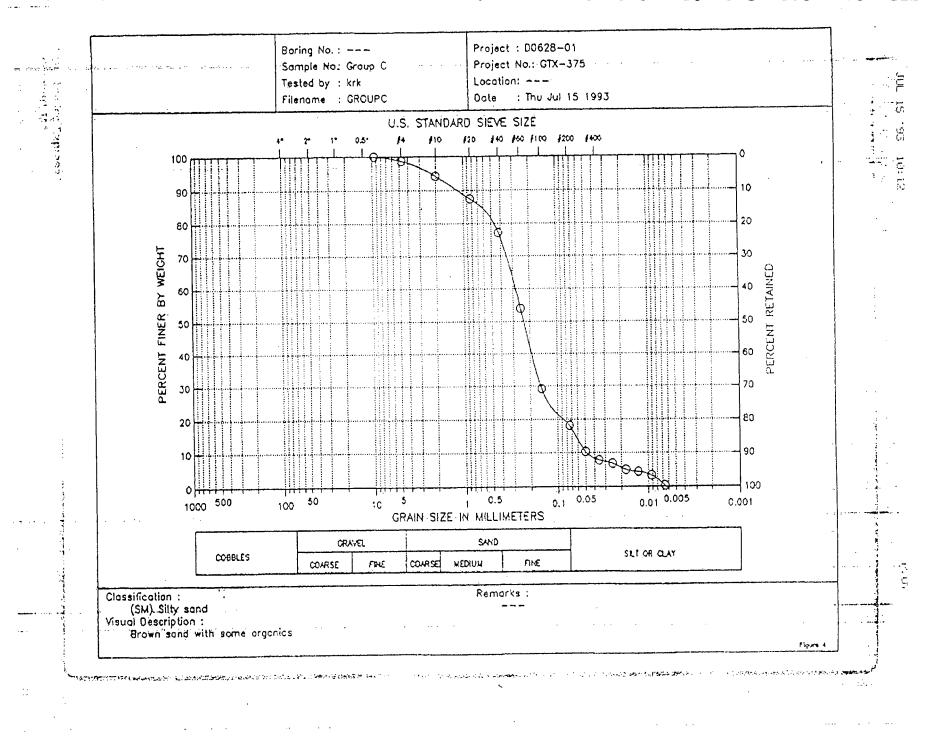
; sx RETH Group Symbol

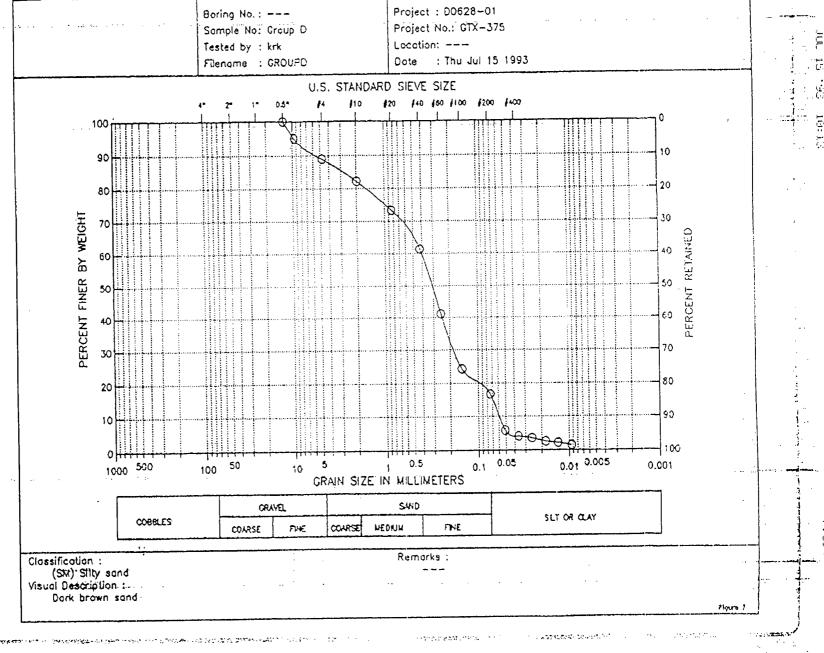
: Silty wand ASTH Group Name

AASHTO Group Symbol : A-Z-4(0)

AASHTO Group Name I Silty Oravel and Sand

or Genterting Express for comme Conderd, MA





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Thu Jul 15 09:43:23 1993

#### GEOTECHNICAL LABORATORY TEST DATA

Project : D0628-01

Project No. : GIX-375

Boring No. : ---Sample No. : Group D

Depth : ---Test Date : 7/9/93

Test Method : ASTM D422

Fileneme : GROUPD Elevation : ---Tested by : krk Checked br : gtt

Location : ---Soil Description : Dark brown sand

Remarks : ---

HYDROMETER

Hydrometer ID : hyi Weight of air-dried aut1 = 32.95 gm Beodific Grevity = 2.65 Specific Gravity

Hydroscopic Hoisture Content : Weight of Wet Boil = 0 gm Weight of Dry Soil = 0 gm Moisture Content = 0

Elepsed Time (min)	Reading	<pre>Temperature (deg. C)</pre>	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Sise
			2.35	0.051	6	0.051
1.00	6.00	23.50	=	0.036	4	0.036
2.00	6.10	23.50	1.65	0.026	4	0.026
4.00	5.90	23.50	1.45		3	0.018
8.00	5.50	23.50	1.05	0.018	2	0.013
15.00	5.30	23.60	0.89	0.013	2	0.009
30.00	5.00	23.60	0.59	0.009	1	0.009

Slove	Sieve O	o <del>o</del> a(nga	FINE SIEVE SET Weight	Cumulative	Percent
Mesh	Inche≤	Millimetors	Retained (gm)	Weight Retained (gm)	finer (%)
0.5"	0.500	12.70	0.00	0.00	100
0.375	0.374	9.51	2.02	2.02	95
#4	0.187	4.75	2.45	4.47	89
	0.079	2.00	2.73	7.20	82
#10	0.033	0.84	3.59	10.79	73
#20	0.033	0.42	4.85	15.64	61
#4D		0.25	8.13	23.77	41
#50	0.010		6,83	30.60	24
#100	0.006	0.15		33.68	17
#200	0.003	0.07	9,08		9
Den.			14.60	48.36	J

Total Dry Weight of Sample - 40.36

D85 : 2.8647 cm D60 : 0.4059 == D50 : 0.3136 tm

D30 : 0.1773 mm D15 : 0.0698 mm

D10 : 0.0587 mm

Soil Classification

ASTM Group Symbol : SM ASTH Group Rame : Silty mand

ARSHTO Group Symbol : A-2-4(0)

; Silty Gravel and Sand AASHTO Group Name

Qualitating Express Gennerd, MA

Page : 1

See 1,09445000

Thu Jul 15 09:43:13 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : 00629-01

Project No. : GTX-375

Boring No. : ---Sample No. : Group 5 Depth : ---

Test Date : 7/12/93 Test Method : ASTM 5472 Filename : GROUPE Elevation : ---Tested by : krk Checked by : gtt

Location : ---Soil Description : Brown sand w/ twigs and wood fibers, oily deposits

Remarks : ---

HYDROMETER

Hydrometer ID : hyl

Weight of air-dried soil = 31.52 gm Specific Gravity = 2.65

Specific Gravity

Hydroscopic Hoisture Content :

Weight of Wet Soil = 0 gm Weight of Dry Soil = 0 gm

Moisture Content = 0

Elepsed Time (min)	Reading	temperature (d⊕g. C)	Corrected Reading	Perticle Size (mm)	Percent Finer (%)	Adjusted Particle Size
	7.70	23.50	3.25	0.051	10	0.051
1.00	7.00	23.50	2.55	0.036	7	0.036
2.00	6.50	23.50	2.05	0.026	6	0.026
4.00		23.60	1.69	0.018	5	0.018
a.00	6.10	23.60	1.39	0.013	4	0.013
15.00	5.80	23.60	0.79	0.009	2	0.009
30.00 60.00	5.20 4.80	23.60	0.39	0.007	1	0.007

21eve	nieve O	PINE SIEVE SET Openings Velght		Cumulative	Fercent
Hesh	Inches	Millimotors	Retained (ym)	Veight Reteined (gm)	Finer (%)
0.3757	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.62	0.62	98
470	0.079	2.00	2.05	2.67	92
#20	0.033	0.84	2.24	4.91	85
#4C	0.017	0.42	3.39	Ŗ. 29	76
#60	0.010	0.25	7.68	15.97	53
#100	0.006	0.15	6.75	22,72	33
	0.003	0.07	2.48	25.20	26
#200 Pap	<b>0.00</b> .,	0.07	16.57	41.77	0

Total Dry Weight of Sample = 41.77

D85 : 0.8129 mm

D60 : 0.2947 cm

DSO : 0.2324 mm

D30 : 0.1134 mm D15 : 0.0577 mm

D10 : 0.0513 ---

Soil Classification

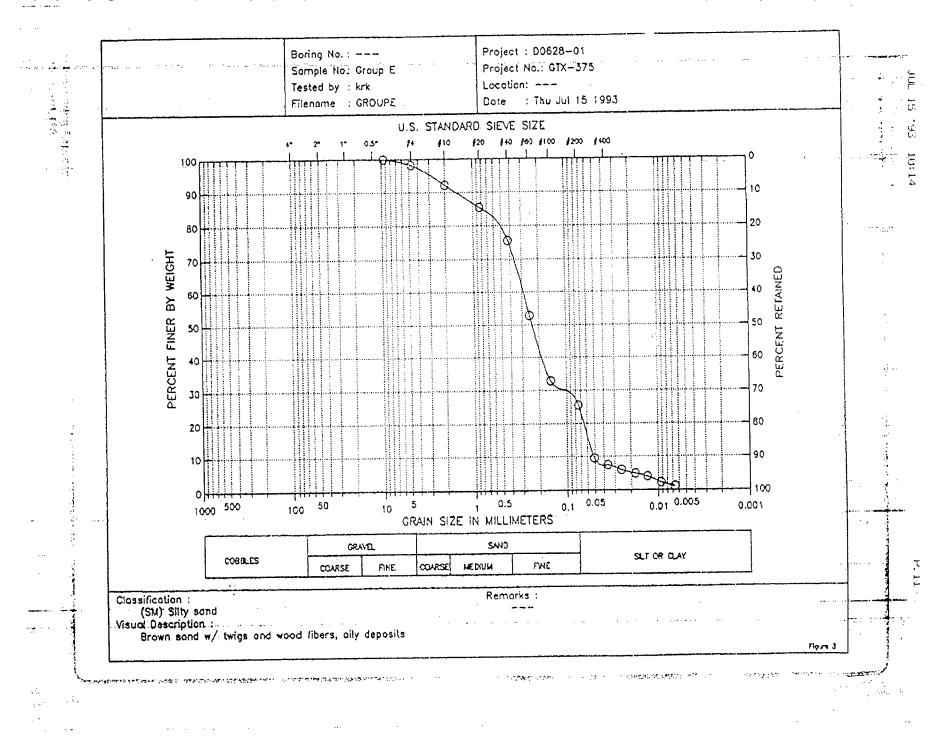
ASTH Group Symbol : 8M

MATH Group Name : Silty sand

AASSITO Group Symbol : A-2-4(0)

MASHTO Group Name : Silty Oravel and Sand

how the testing Express were reco-Concord, MA



Thu Jul 15 09:58:28 1993

GEOTECHNICAL LABORATORY TEST DATA

Project : p0628-01

Project Mo. : GIM-375 Boring No. : ---

Depth : ---

Test Date : 7/12/93

Test Method : ASTM D422

rilename : GROUPT Elevation : --Tested by : krk . Checked by : gtt

Sample No. : Group F Location : ---

Boil Description : Bilt with tar, burned for organics, 46.2% organics Remarks : \*\*\* SEE NOTE 1

			PINE STEVE SET		
Steve	Sieve O	paning=	<b>V</b> €1ght	Commisties	Percent
Mosh	Inches	Millimeters	Retained (gm)	Weight Retained (gm)	Finer (%)
#4 :	0.187	4.75	0.00	0.00	100
#10	0.079	2.00	0.27	0.27	99
#20	0.033	0.84	0.98	1.25	94
#40	0.017	0.42	2.72	3.97	62
#60	0.010	0.25	6.25	10.22	54
#100	0.006	0.15	4.98	15.20	32
#200	0.003	0.07	1.79	16.99	24
Pan	0.005	•••	13.35	30.34	0

Total Dry Weight of Semple = 30.34

D85 ; 0.4908 mm D60 : 0.2776 mm D50 : 0.2258 em 030 : 0.1235 mm

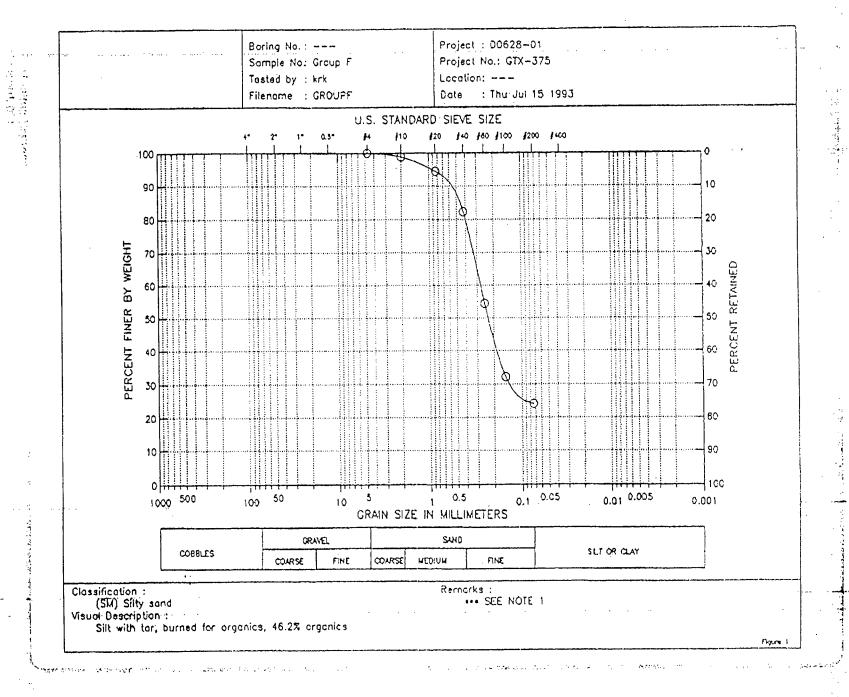
D15 : N/A D10 : M/A

Soil Classification

ASTH Group Symbol : SH ASTH Group Name : Silty sand AASHTO Group Symbol : A-2-4(0)

AASHTO Group Name : Silty Gravel and Sand

Athen to be a more party 1.00% **\$**18



Page : 1

: 15

Thu Jul 15:09:49:45 1993

#### GEOTECHNICAL LABORATORY TEST DATA

Project : 00628-01

Project No. : GTX-375 moring No. : ---

Depth : ---Teal Dale : 7/9/93 Test Hethod : ASTM 0422 Eflename : CROUPC Elevation : ---Tested by . Ack Checked by : get

Sample No. : Group G Location : ---

Soil Description : Silt with some tar

Remerks : ---

HYDROMETER

Hydrometer ID : hyl Weight of air-dried eoil = 18.77 gm Specific Grevity = 2.65 Specific Grewity

Hydroscopic Moisture Content : Weight of Wet Soil - 0 gm weight of Dry Soil - 0 gm Holsture Content + 0

Elapsed Time (min)	Reading	Temporaturo (deg. C)	Corrected Reading	Particle Size (mm)	Percent Finer (%)	Adjusted Particle Size
1.00	4.00	28.70	1.26	0.049	6	0.049
2.00	3.60	26.70	1.56	0.035	S	0.035
4.00	3.50	28.70	0.76	0.024	4	0.024

giava	Sieve O	pening*	PINZ SIEVE SET Weight	Cumulative	Percent
Heeh ·	Inches	Millimeters	Retained (gm)	Weight Retained (gm)	Finer (%)
0.375*	0.374	9.51	0.00	0.00	100
84	0.187	4.75	0.25	0.25	99
#10	0.079	2.00	1.25	1.50	92
#20	0.033	0,84	1.55	3.05	63
#40	0.017	0.42	1.70	4.75	73
#60	0.010	Ū. Ž5	2.44	7.19	59
#100	0.006	0.15	2.20	9.39	47
#200	0.003	0.07	0.99	10.38	4 )
Pan	0.00.		15.28	25.65	О

Total Dry Deight of Sample = 25.66

585 : 4.0532 we p60 : 0.2570 \*\*\* 950 : 0.1702 mm D30 : 0.0648 mm

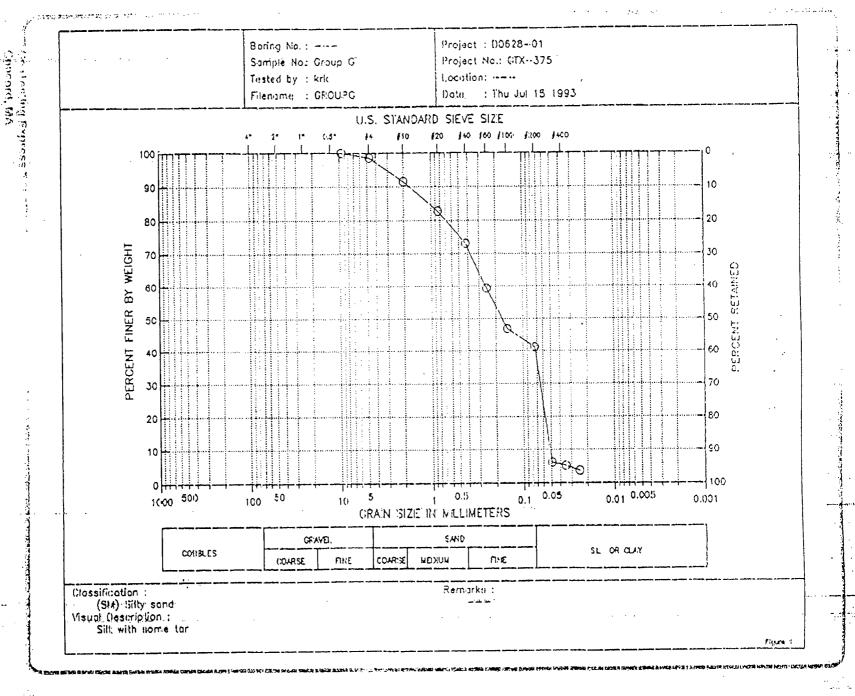
D15 : 0.0543 mm p10 . 0.0511 mm

Soil Classification

ASTH Group Symbol : SM

: Silly somi A3Tri Group ñ<del>e⊃e</del> : AASHTO Group Symbol : A-4(0) ARRHTO Group Name : Silty Soils

The seed to sting Express and a second Cotropid, 随意



CUSTODY RECORD

CHAIN OF CUSTODY RECORD PROJECT NAME PROJ. NO. Wells Gift - Wildward Trapaty 3-0947 SAMPLERS: (Signature) NO. OF REMARKS CON-TAINERS SAMPLE DATE TIME SAMPLE LOCATION NO. Grava Debris Gens 5:00 Crasp X Coron P X X X 11:40 X This ICE Under Loute Challer م مدین می 10:25 NETE - OCO 12/93/3:20 X X Relinquished by: (Signature) Date / Time Received by: (Signature) Relinquished by: (Signature) Date / Time Received by: (Signature) Shipped Vie fel CX

Relinquished by: (Signature) Date / Time Received by: (Signature) Date / Time Received by: (Signature) Relinguished by: (Signature) Relinquished by: (Signature) Date / Time

Received for Laboratory by:

Date / Time

REMEDIATION

TECHNOLOGIES INC

REMEDIATION TECHNOLOGIES

Damonmill Square 9 Pond Lane Concord, MA 01742

#### REPORT OF ANALYTICAL RESULTS

Case Number: D0208-01

#### Prepared for:

Remediation Technologies, Inc. 9 Pond Lane Concord, MA 01742 Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By: Maliffeld

Mark H. /Bishop

Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

#### Sample Description

The following sample was submitted to New England Testing Laboratory on 8 FEBRUARY 1993:

"Wells G & H"

1. Grp. A Rolloff Boxes 1-5

The Custody record is included in this report. The sample was assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0208-01

### Request for Analysis

The following table details the analyses performed on the sample:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
1. Grp. A Rolloff	Corrosivity-pH	9040 Section 7.3.3.2
Boxes 1-5	Reactivity-CN S	Section 7.3.4.1
	Ignitability	1010
	TCLP Extraction	1311
	TC Volatiles	8240
	TC Semivolatiles	8270
	Arsenic	7060
	Barium	6010
	Cadmium	6010
	Chromium	6010
	Lead <sup>.</sup>	6010
	Mercury	7470
	Selenium	7740
	Silver	6010
	TC Pesticides	8080
	TC Herbicides	8150
	PCB's	8080

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

<sup>\*</sup>Note: These methods are documented in:

## Quality Assurance/Control Statements

The sample was found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

The following quality control check samples were analyzed in parallel with the submitted samples:

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5

#### TC METALS

	Fortification, mg/l	Result, mg/l	Recovery, %
Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver	0.200 2.00 2.00 2.00 2.00 0.005 0.200 2.00	0.212 2.60 2.03 2.01 2.41 0.0054 0.215 2.05	106 95 102 101 107 108 108

#### TC VOLATILE ORGANIC COMPOUNDS

Forti	fication, mg/l	Result, mg/l	Recovery, %
1,1-Dichloroethene Trichloroethene Benzene Chlorobenzene Carbon Tetrachloride Chloroform 1,2-Dichloroethane Methyl Ethyl Ketone Tetrachloroethylene Vinyl Chloride	0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.4 0.2	0.150 0.241 0.221 0.182 0.228 0.201 0.166 0.325 0.240 0.252	75 120 110 91 114 101 83 81 120
VIIIYI CIIIOLIUC	0.0		

TCLP Matrix Spike Analysis: Sample Grp. A Rolloff Boxes 1-5
TC SEMIVOLATILE ORGANIC COMPOUNDS

Forti	fication, mg/l	Result, mg/l	Recovery, %
Hexachlorobenzene	0.156	0.109	70
Hexachloro-1,3-butadiene	0.156	0.112	72
Hexachloroethane	0.156	0.090	58
Nitrobenzene	0.164	0.117	71
Pyridine	0.160	0.214	134
2,4-Dinitrotoluene	0.160	0.146	91
1,4-Dichlorobenzene	0.152	0.109	72
o-Cresol	0.164	0.147	90
m-Cresol	0.348	0.221	64
p-Cresol	0.348	0.221	64
Pentachlorophenol	0.200	0.242	121
2,4,5-Trichlorophenol	0.156	0.125	80
2,4,6-Trichlorophenol	0.152	0.123	81

### PESTICIDES/HERBICIDES

	Fortification, mg/l	Result, mg/l	Recovery, %
Lindane	0.125	0.075	60
Endrin	0.251	0.280	112
Heptachlor	0.125	0.066	53
Methoxychlor	1.25	0.866	69
2,4-D	2.5	2.07	· 83
2,4,5-TP Silvex	0.5	0.47	95

ANALYTICAL RESULTS

# Grp. A Rolloff Boxes 1-5

<u>Parameter</u>	Result, mg/Kq
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached .
1102222	•

Case No. D0208-01 Date Analyzed: 2/8/93

Subject: Pesticides and PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
Aldrin alpha-BHC beta-BHC delta-BHC gamma-BHC Chlordane 4,4'-DDD 4,4'-DDE 4,4'-DDT Dieldrin	N.D. N.D. N.D. N.D. N.D. 90 N.D. N.D. N.D.	<pre>&lt;0.1 &lt;0.1 &lt;0.1 &lt;0.1 &lt;0.1 &lt;0.5 &lt;0.1 &lt;0.1 &lt;0.1 &lt;0.1 &lt;0.1 &lt;0.1</pre>
Endosulfan I Endosulfan II Endosulfan sulfate Endrin Endrin aldehyde Heptachlor Heptachlor epoxide Methoxychlor Toxaphene	N.D. N.D. N.D. N.D. N.D. N.D. N.D. N.D.	<0.2 <0.2 <0.1 <0.1 <0.1 <0.1 <0.2 <0.5
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. N.D. N.D. N.D.	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5

Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Analyzed\*: 2/10/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	0.70	100.0
Cadmium	<0.05	1.0
Chromium	.<0.05	5.0
Lead	0.28	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

<sup>\*</sup> Date Completed

Case No. D0208-01

Date TCLP Extracted: 2/8/93

Date Analyzed: 2/11/93

## TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
Surrogates:	% Recovery	<u>Limits</u>
Toluene d8	95	88-110
1,2-Dichloroethane-d4	95	76-114
4-Bromofluorobenzene	103	86-115

Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93
Date Analyzed: 2/12/93

# TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0

# TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration $mg/L (ppm)$	Regulatory Limit, mg/L (ppm				
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0				

Surrogates: % Recovery	-
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol	5-114 3-116 3-141 0-94 1-100 0-123

Case No. D0208-01

Date TCLP Extracted: 2/8/93
Date Prep Extracted: 2/11/93

Date Analyzed: 2/12/93

# TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	0.004	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
   Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

CUSTODY RECORD

				T T			7	7	7	/		/		. , \
PROJ. NO.	i i	ROJECT							_/		//			
0947		WELL	s ctt	- NO.				Z/	// /	/ ,	/ /			
SAMPLER	3: (Signatu	ro) 1	1/	OF		/	/ B/	CHAD						REMARKS
E	ute	Ley	<del>L</del>	CON- TAINERS				/	þ/					
SAMPLE NO.	DATE	TIME	SAMPLE LOCATION			(1)			// <del>{</del>	/ <del>-                                    </del>				
	0 6 573	4.00	ROUBER BOXES 1-5			$\Delta$	7	2						
CKR A	25-15	17.0	(Cappy 150)											
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			Decayed by (Signaly	re)	Rol	inqui	shed b	by: (Sign	nature)	J	<u> </u>	Date	Time	Received by: (Signature)
Rollngu	ilshed by	(Signature)	Date / Time Received by: (Signatus) SHEPPED VEH  2-5-93 Stan Amzeur F	FEDEX										
(D)20	£ ,	J.M.	Recaived by: (Signatu	<u>63</u>	Rel	linqul	shed	by: (Sigi	nalu/e)			Date	/ Time	Received by: (Signature)
Reling	ished by	: (Signature	Salo /											
			Date / Time Received for Labora	itory by:		ΛΙ.	1	/ Tim	0		parce , , 1	, A	DCM5	DIATION TECHNOLOGIES
Ruling	uished by	y: (Signature		naras		2/8	19	3					HEME	Damonmill Square
REMA	RKS:									R E N TECH	A E D I A	TION		9 Pond Lane Concord, MA 01742

#### REPORT OF ANALYTICAL RESULTS

Case Number: D0210-05

#### Prepared for:

Remediation Technologies
Damonmill Square
9 Pond Lane
Concord, MA 01742
Attn: Andy Gaits

Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 16 FEB 1993

Reviewed By: //while

Mark H. Bishop Laboratory Director

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

#### Sample Description

The following samples were submitted to New England Testing Laboratory on 10 FEBRUARY 1993:

"Wells G & H"

- 1. Grp. B Rolloff Boxes 6-11
- 2. Grp. C Rolloff Box 12
- 3. Grp. D Rolloff Box 13 & Stockpiled soil
- 4. Grp. E Dumpster 14,15,16

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0210-05

#### Request for Analysis

The following table details the analyses performed on the samples:

Sample	<u>Analysis</u>	Method*
1. Grp. B 2. Grp. C 3. Grp. D 4. Grp. E	Reactivity Cyanide Sulfide Corrosivity-pH Ignitability PCB's TCLP Extraction TC Volatiles TC Semivolatiles Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Pesticides Herbicides	7.3.3.2 7.3.4.1 9040 1010 8080 1311 8240 8270 7060 6010 6010 6010 7470 7740 6010 8080 8150

Test Methods for Evaluating Solid Waste, Physical/Chemical.Methods, SW-846, USEPA.

## Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

<sup>\*</sup>Note: These methods are documented in:

ANALYTICAL RESULTS

# Grp. B Rolloff Boxes 6-11

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.6
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93 Date Analyzed\*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.94	100.0
Cadmium	0.20	1.0
Chromium	<0.05	5.0
Lead	0.62	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

Date Completed

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

## TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
		; *
Surrogates:	% Recovery	<u>Limits</u>
Toluene d8	89	88-110
1,2-Dichloroethane-d4	. 96	76-114
4-Bromofluorobenzene	96	86-115

Sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

## TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

sample: Grp. B Rolloff Boxes 6-11

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

# TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0

# TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0 2.0

Surrogates:	% Recovery	<u>Limits</u>
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol 2,4,6-Tribromophenol	92 95 120 45 68 97	35-114 43-116 33-141 10-94 21-100 10-123

Sample: Grp. B

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. *	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5

Comment: This sample contains chlordane at 60 mg/Kg

\* Note: This sample exhibits an ECD component profile which does not match - but may be considered consistent with a 1254/1260 Aroclor. When quantified as a 1254 Aroclor the level is approximately 28 mg/Kg.

## Grp. C Rolloff Box 12

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	7.1
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached <sub>:</sub> .

sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed\*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory Limit, mg/L
Arsenic	<0.1	5.0
Barium	1.02	100.0
Cadmium	0.10	1.0
Chromium	<0.05	5.0
Lead	0.29	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

Date Completed

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

#### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
		<b>:•</b>
Surrogates:	% Recovery	<u>Limits</u>
Toluene d8	88	88-110
1,2-Dichloroethane-d4	97	76-114
4-Bromofluorobenzene	103	86-115

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93 Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

### TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. C Rolloff Box 12

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

# TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0 0.13

## TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration $mq/L (ppm)$	Regulatory <pre>Limit, mg/L (ppm)</pre>
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0 2.0
	•	

Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>	
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol	80 87 91 45 69 107	35-114 43-116 33-141 10-94 21-100 10-123	
2,4,6-Tribromophenol	707	<del>-</del>	

Sample: Grp. C

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

<u>Compound</u>	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
PCB-1016 PCB-1221	N.D. N.D.	<0.5 <0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	25	<0.5

Comment: This sample contains chlordane at 46 mg/Kg

# Grp. D Rolloff Box 13 & Stockpiled Soil

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached .

Sample: Grp. D Rolloff Box 13
 & Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Analyzed\*: 2/11/93

Case No. D0210-05

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

Date Completed

Case No. D0210-05

Sample: Grp. D Rolloff Box 13

& Stockpiled Soil

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/10/93

## TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0:7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
		· ·
Surrogates:	% Recovery	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Case No. D0210-05

Sample: Grp. D Rolloff Box 13
 & Stockpiled Soil

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

## TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2.4.5-TP Silvex	<0.05	1.0

Sample: Grp. D Rolloff Box 13

& Stockpiled Soil

Date TCLP Extracted: 2/10/93 Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

## TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0

Case No. D0210-05

### TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0 2.0

Surrogates:	% Recovery	<u>Limits</u>	
Nitrobenzene d5	82	35-114	
2-Fluorobiphenyl	88	43-116	
p-Terphenyl d14	85	33-141	
Phenol d6	4.4	10-94	
2-Fluorophenol	69	21-100	
2.4.6-Tribromophenol	98	10-123	

Sample: Grp. D

Case No. D0210-05 Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. N.D. N.D.	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5

comment: This sample contains chlordane at 0.84 mg/Kg

#### Grp. E Dumpster 14,15,16

Parameter	Result, mg/Kg
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached.

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed\*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

Date Completed

sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93

Date Analyzed: 2/16/93

### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
		:*
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

: •

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

## TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93 Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

# TCLE Semivolatile Base/Neutral Extractable Compounds:

<u>Compound</u>	Concentration $mg/L (ppm)$	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0 0.13

## TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0

Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Nitrobenzene d5	80	35-114
2-Fluorobiphenyl	83	43-116
p-Terphenyl d14	98	33-141
Phenol d6	39	10-94
2-Fluorophenol	62	21-100
2,4,6-Tribromophenol	100	10-123

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254	N.D. N.D. N.D. N.D. N.D.	<0.5 <0.5 <0.5 <0.5 <0.5 <0.5
PCB-1260	N.D.	<0.5

comment: This sample contains chlordane at 1.1 mg/Kg

CUSTODY RECORD

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CRPC	27.92	97:45	ROLL OFF BC	x 12			-	X	X	3						$\dashv$
CRP D	2-9-93	10:35	ROLLOFF BOX	13+	STOCKPCLED SUZL	.		X	X	X						$\dashv$
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REMEDIATION TECHNOLOGIES INC

Attachment C-2

Debris Soil B

#### REPORT OF ANALYTICAL RESULTS

Case Number: D0817-05

#### Prepared for:

Remediation Technologies, Inc. 9 Pond Lane Concord, MA 01742 Attn: Jamie Greacen

Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 3 SEPT 1993

Reviewed By:

Mark H. Bishop

Laboratory Director

#### NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 401-353-3420

#### Sample Description

The following samples were submitted to New England Testing Laboratory on 17 AUG 1993:

"Wells G & H RD/RA"

1. #1 Debris Soil B

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2. #2 Bas

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0817-05

# Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	<u>Method*</u>
D0817-05: 1. #1	Corrosivity-pH Reactivity-CN -S Ignitability Pesticides/PCB's Ash BTU's Grain Size Moisture	9040 Section 7.3.3.2 Section 7.3.4.1 1010 8080 209D D2382-76 D422 EPA/CE 3-58
1. #1 2. #2	TCLP Extraction TC Volatiles TC Semivolatiles TC Pesticides TC Herbicides Arsenic	1311 8240 8270 8080 8150 7060
A SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SEC	Barium Cadmium Chromium Lead Mercury Selenium Silver	6010 6010 6010 6010 7470 7740 6010
2. #2	TCLP Extraction Sulfide Sulfite Sulfate Barium Sulfide Sulfate Sulfate Sulfite	1311 376.2 377.1 375.4 6010 9030 9038

\*Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

Procedure for Handling and Chemical Analysis of Sediment adn Water Samples, EPA/CE-81-1, US Army Engineer Waterways Experiment Station.

Standard Methods for the Examination of Water and Wastewater, 16 & 17th Edition, 1989, APHA, AWWA-WPCF.

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.

#### Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

### #1 Debris Soil B

<u>Parameter</u>	Result, mg/Kg
Ash, %	71
BTU's/lb	1850
Grain Size	Attached
Moisture, %	18
Reactivity	
Sulfide	<1.0
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.0
Ignitability, Deg. F	>200
Pesticides/PCB's	Attached
TCLP Extractables	Attached

Sample: #1 Debris Soil B

Case No. D0817-05

Date TCLP Extracted: 8/22/93 Date Analyzed\*: 8/23/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.59	100.0
Cadmium	0.16	1.0
Chromium	<0.05	5.0
Lead	0.46	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver.	<0.05	5.0

<sup>\*</sup> Date Completed

Case No. D0817-05

#### Sample: #1 Debris Soil B

Date TCLP Extracted: 8/22/93 Date Analyzed: 8/29/93

#### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.05	0.5
Vinyl Chloride	<0.04	0.2
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	88	88-110
1,2-Dichloroethane-d4	113	76-114
4-Bromofluorobenzene	99	86-115

Case No. D0817-05

#### Sample: #1 Debris Soil B

Date TCLP Extracted: 8/22/93 Date Prep Extracted: 8/24/93
Date Analyzed: 9/1/93

#### TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Case No. D0817-05

10-123

Sample: #1 Debris Soil B

Date TCLP Extracted: 8/22/93 Date Prep Extracted: 8/24/93

Date Analyzed: 8/25/93

2-Fluorophenol

2,4,6-Tribromophenol

### TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene Hexachlorobenzene Hexachloro-1,3-butadiene Hexachloroethane Nitrobenzene Pyridine 2,4-Dinitrotoluene	<0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	7.5 0.13 0.5 3.0 2.0 5.0 0.13

#### TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration	Regulatory Limit, mg/L (ppm)
	mg/L (ppm)	Fillite, mg/F (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol Pentachlorophenol	<0.1 <0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Nitrobenzene d5	47	35-114
2-Fluorobiphenyl	62	43-116
p-Terphenyl d14	67	33-141
Phenol d6	31	10-94
2-Fluorophenol	36	21-100

58

Sample: #1 Debris Soil B

Case No. D0817-05 Date Analyzed: 8/19/93

Subject: Pesticides and PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
Aldrin	N.D.	<0.1
alpha-BHC	N.D.	<0.1
beta-BHC	N.D.	<0.1
delta-BHC	N.D.	<0.1
gamma-BHC	N.D.	<0.1
Chlordane	8.2	<0.5
4 , 4 ' -DDD	N.D.	<0.1
4,4'-DDE	N.D.	<0.1
4,4'-DDT	4.6	<0.1
Dieldrin	N.D.	<0.1
Endosulfan I	N.D.	<0.2
Endosulfan II	N.D.	<0.2
Endosulfan sulfate	N.D.	<0.2
Endrin	N.D.	<0.1
Endrin aldehyde	N.D.	<0.1
Heptachlor	N.D.	<0.1
Heptachlor epoxide	N.D.	<0.1
Heptachlor epoxide Methoxychlor Toxanhene	N.D.	<0.2 <0.5
Toxaphene	N.D.	<0.5
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
PCB-1248	N.D.	<0.5
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5
PCB-1262	16	<0.5

#### GEOTECHNICAL LABORATORY TEST DATA

Project : Debris Soil B

Project No. : GTX-413

Boring No. : ---Sample No. : D0817-05 Depth : ---

Test Date : 9/3/93 Test Method : ASTM D422 Filename : D081705 Elevation : ---Tested by : cnr Checked by : gtt

Location : ---

Soil Description : Dark brown sand with some organics Remarks : Burned to remove organics before testing (13%)

			FINE SIEVE SET		
Sieve	Sieve O	penings	Weight	Cumulative	Percent
Mesh	Inches	Millimeters	Retained (gm)	Weight Retained (gm)	Finer (%)
0.375"	0.374	9.51	0.00	0.00	100
#4	0.187	4.75	0.26	0.26	97
#10	0.079	2.00	0.63	0.89	90
#20	0.033	0.84	1.07	1.96	77
#40	0.017	0.42	1.55	3.51	59
#60	0.010	0.25	1.96	5.47	36
#100	0.006	0.15	1.45	6.92	19
#200	0.003	0.07	0.57	7.49	12
Pan			4.67	12.16	0

Total Dry Weight of Sample = 12.16

D85 : 1.4626 mm
D60 : 0.4404 mm
D50 : 0.3448 mm
D30 : 0.2101 mm
D15 : 0.1014 mm
D10 : 0.0601 mm

Soil Classification

ASTM Group Symbol : N/A
ASTM Group Name : N/A
AASHTO Group Symbol : A-2-4(0)

AASHTO Group Name : Silty Gravel and Sand

Boring No.: ---

Sample No.: D0817-05

Tested by : cnr

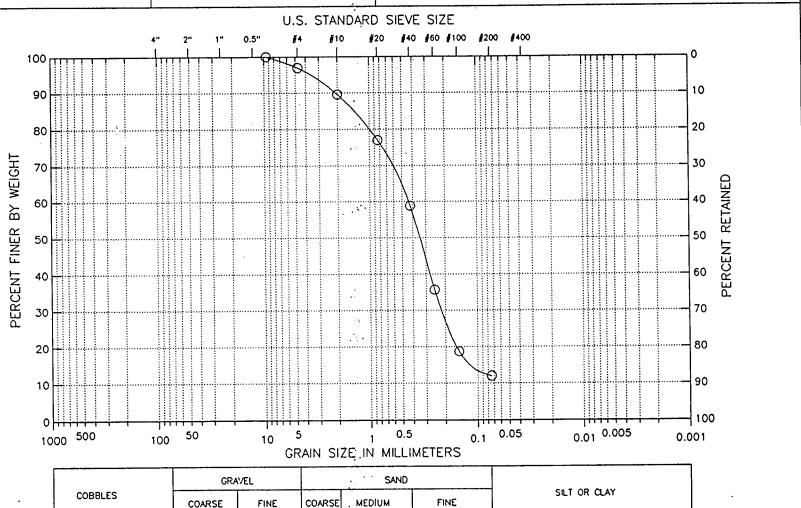
Filename: D081705

Project : Debris Soil B

Project No.: GTX-413

Location: ---

Date : Tue Sep 07 1993



Classification:

Remarks:

Burned to remove organics before testing (13%)

Visual Description :

Dark brown sand with some organics

Figure 1

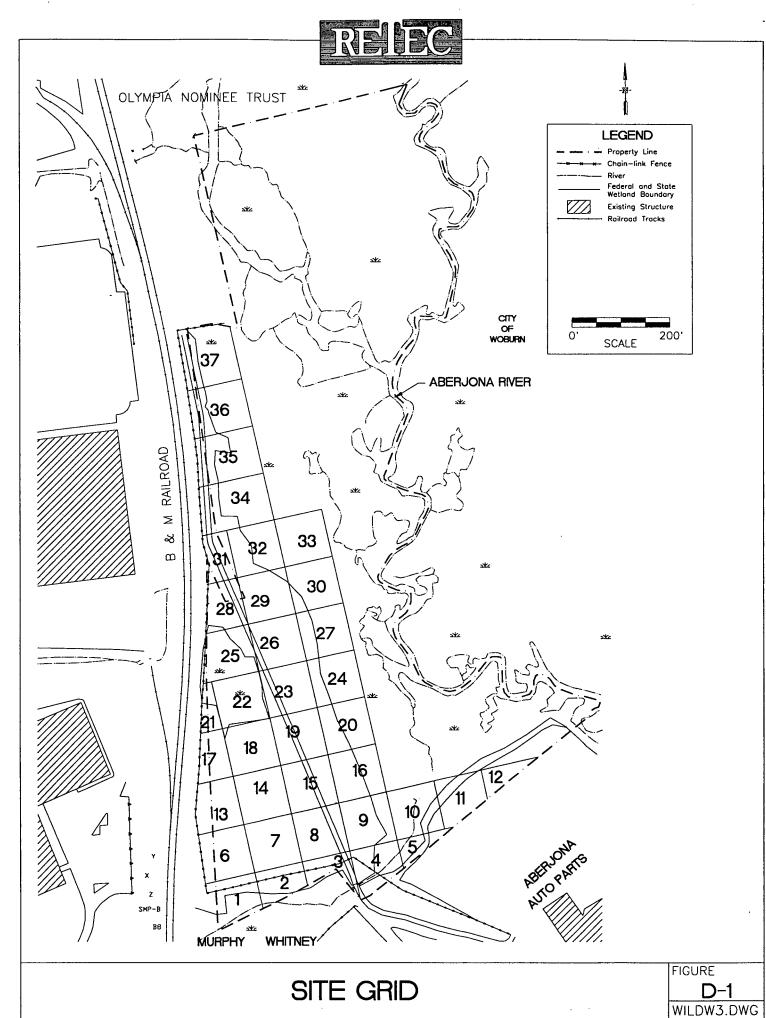
CUSTODY RECORD

## NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 D0817-05

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CLILITI	TEC								CON- TAINERS				) } !				>	RE	MARKS	
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Debes Soil	8-16-93 B	Ipm				,				-						10) 10	rshl	ts of	SP1 8080	_
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2 Bas	8-K-93	400	1		Test Pi	1s mar u	ells 7 and 12				-					1	o the	leachai	le onalyte list	
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	quished by				Date	e/Time	Received to	)			8/1.	Date/	/Time		Re	emarks	JA.		26010 Warst	A Chair

# APPENDIX D MISCELLANEOUS DEBRIS



#### TABLE D-1

# Drum Inventory Wildwood Property Wells G & H Superfund Site

Grid	Drum	PID/OVA	Description
Cell#	Labeled	(ppm)	
3	3-1	0.2	rusted, crushed, contained plastic debris
	3-2	0.4	crushed
4	4-1	0.3	rusted open
	4-2	0.3	mostly deteriorated
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
	unlabeled	NM	buried in debris pile 4-1
16	16-1	NM	1/2 deteriorated, 1/4 full of water
25	25-1	0.0	metal, rusted, open, 10-gal cardboard container within
	25-2	0.0	crushed flat, 1/3 deteriorated; contained soil, plastic, glass, debris
	25-3	0.0	rusted open; 1/2 filled w/water, leaves, rubbery brown sludge
	25-4	0.0	mostly intact, bung open, contents unknown
}	25-5	0.0	drum w/ plastic liner, mostly intact, contained brown sludge
26	26-1	NM	open top, 1/3 full, glass, rubber hose, black sludge
	26-2	NM	open top, 1/3 full, glass, black sludge
28	28-1	0.0	rusted open; contained leaves, soil, sludge, 1/4 full
	28-2	6.0	30 gal, top rusted off, contents unknown
	28-3	0.8	rusted, crushed and full of plastic sheeting
	28-4	0.0	open top, rusted open, crushed; contains leaves
	28-5	0.0	open top, 1/2 full of leaves, mixed w/ plastic
	28-6	5.0	2/3 buried, largely deteriorated, surrounded by tar-like sludge
	28-7	0.0	open at bung, contents unknown
	28-8	7.0	badly rusted, 1/3 full yellow-brown powder
	28-9	0.0	open at bung, contents unknown
	28 - 10	0.0	open at bung, contents unknown
	28 - 11	0.0	open at bung, bulged middle
	28-12	0.0	open at bung
	28-13	3.0	rusted open; 1/4 full of yellow powder
	28-14	0.0	open at side bung, bulged, yellow powder
1	28-15	NM .	rusted through, yellow powder
	28-16	0.0	crushed, open on top, 1/4 full of sludge, grease, gloves
31	31-1	0.0	crushed, largely deteriorated, brown soil, sludge, 1/4 full
1	31-2	0.2	bung holes open, 1/8 full of unknown liquid
	31-3	0.0	open top, side rusted; empty
	31-4	0.0	open top, contains liquid, hose, and soil
	31-5	0.0	rusted open, open top; contains soil & organic matter
32	32-1	1.0	bulging, rusted open; no contents
34	34-1	0.0	rusted, split in half
	34-2	0.8	open top, half crushed
	34-3	0.0	open top; 2/3 full solid debris, rags, plastic, soil
	34-4	0.0	1/2 remanent; contains leaves, soda cans
1	34-5	0.0	bottom rusted off, partially full of leaves & dirt
35	35-1	0.2	open top, crushed
L	35-2	0.0	closed top, rusted open, no bungs

# ATTACHMENT D-1 CONSTRUCTION DEBRIS

None of the above



Note if the waste exhibits any of

the following reactive properties:

WCD No. AA 83213

BFI WASTE CODE							
BROWNING-FERRIS INDUSTRIES  WASTE EVALUATION REQUEST							
BFI to complete this area. Previous Laboratory Number							
BFI Initiator	Management Method Requested:   Landfill   Hauling						
Location	Other						
Company Number Date	Disposal Site Requested						
Telephone Number( )	Company Number P.O. Number						
Action Requested:   New Waste Approval	Analyses Requested: ☐ TCLP ☐ RCI						
☐ Up-Date Approval ☐ Priority	C) Other						
Other	Analyses To Follow:   TCLP  Other						
WASTE CHARAC	TERIZATION DATA						
	l Waste						
TIONS BEFORE COMPLETING THIS FORM. THIS FORM IS TO BE	TATIVE OF THE WASTE GENERATOR, PLEASE READ THE INSTRUC- USED ONLY ONE TIME, AND MUST BE TYPEWRITTEN OR LEGIBLY						
PRINTED IN INK, AND SIGNED.  1. GENERATO	DR INFORMATION						
a) Generator's Name: BEATRICE FOODS INC.	e) Local Registration NoN/A						
b) Generating Facility Address: 248 REAR SAVEM ST	Generator's EPA Id. No						
City: LOBURA State: MA Zip:							
c) Company Representative: ANDREW GATES	f) Telephone No. ( \$\mathcal{O}\mathcal{B}\) 3/1-1422						
Title: ENVIRONMENTAL ENGINEER / RETEC	After Hours No. (508) 287- 0185						
d) Emergency Contact: Times GRAECEN	Emergency No. (508) 371 - 1422						
Title PROJET MANAGER / RETER							
	STREAM INFORMATION						
2. GENERAL WASTE	SIRDIN HAT ONDINCTION						
a) Description of The Waste: CONSTRUCTION O							
b) Process Generating Waste: <u>EXCAVATION</u> AND RE	EMOVAL OF CONSTRUCTION DEGREES + TRASH						
c) Is this a treatment residue of a waste which was previously a restrict	ed characteristically nazardous waster (1) Tes (2) No						
d) Is this a "Hazardous Waste" as defined by State or local Regulations	? Yes A No						
If yes, enter the Waste Identification Number if one has been assign	1100.						
e) Is this a "Special Waste", an "Industrial Process Waste", or a "Polut	N/A						
Yes   No If yes, enter Waste Identification Number:   Recommended personal protection equipment and special handling	g procedures: LEVELD						
g) Anticipated Volume: 250	Gailons □ Tons 🖟 Cubic Yards □ Other						
Per: ☐ Day ☐ Week ☐ Month ☐ Year 💥 One Time, or ☐	Other						
To be transported in: DC Bulk   C  Drums (type/size)	🗍 Other						
h) Is a representative sample included? ☐ Yes 🕱 No – If yes, compl	ete the RSC found on the reverse side.						
3. WASTE PROPERTIES @ 72°F							
a) Physical State:	d) Layers:						
Solid □ Semi-solid	Single Phase □ Bi-layered □ Multi-layered						
☐ Powder ☐ Liquid	e) Density Range:to						
☐ Combination	MN/D (1 lbs./gal.   g./cc.						
h) Odor	□ lbs./yd.³ □ Other						
Describe NONE	6 Calaria						
None □ Mild □ Strong	Describe Miscallureous						
c) Flash Point, °F:	g) pH:						
C) Flash Point, *F:  □≤72 □ 73-100 □ 101-140	□≤2.0 ★ 2.1-5.0 ★ 5.1-9.0						
	□ 9.1-12.4 □≥12.5 □ N/A □ N/D						
□ 141-200 🔼 ≥201 □ N/A □ N/D							
4. REACTIVITY							

☐ Water Reactive ☐ Alkaline Reactive ☐ Pyrophoric ☐ Thermally Sensitive

☐ Acid Reactive ☐ Autopolymerizable ☐ Explosive ☐ Shock Sensitive

wcd Rev: 9/91

		O.	FI WASTE CODE		
		5. THIS WAST	E CONTAINS	,	
Note if the waste contains an	ny of the follow	ring:			
☐ Free Liquids	☐ Dioxir	-	☐ Etiological Agents	□Ra	dioactive Materials
☐ Free Cyanide		nic Solvents	☐ Pathogens	SZ PC	Bs not regulated by
☐ Free Sulfide	☐ Used		OSHA Substances		CA 40 CFR 761
☐ Free Ammonia	☐ Virgin		☐ Biological Materials		one of the above
	•		ble) and include its concentr		
Section 6.	liecked les ,	specify type (ii applica	pley and include its concenti	ation as part of the	waste composition,
	,	6. COMPLETE WAS	TE COMPOSITION		
Concentration ranges are suggercentages (%). Attach additional additional actions of the content			its must be identified and are	e to be in parts per	million (ppm) and/or
		Range			Range
Components		Min. / Max.	Components		Min. / Max.
Construction debris	+ trash	799,99%			
1eud		2.005%			
PCB'S		< . 005 %			
				•	
		7 TRANSPORTATIO	ON INFORMATION	-	
	· ·		1 M 1		
If the waste is a DOT Hazard	lous Material, c	omplete the following:	110		
Liober O2001 2000 build Light	·		10/4		
USDOT Hazard Class:		UN or NA Number:	CÉRCLA R	Reportable Quantity.	
					<del></del>
		8. SUPPLEMENTA			
☐ None ☐ MSD SI☐ Other - describe	heets	8. SUPPLEMENTA Analytical Data		□ Waste Cort	nposition , , , , ,
	heets	Analytical Data	L INFORMATION	☐ Waste Corr	nposition , , , , ,
I hereby certify that the above no deliberate or willful omissis waste is not designated a Haz GENERATOR'S AUTHORIZED	and attached d ons of composit zardous Waste	9. GENERATOR'S  description is complete a tion or properties exists, by the USEPA or contain	Memo/Letter  CERTIFICATION  nd accurate to the best of my that all known or suspected his PCBs regulated by TSCA	□ Waste Com No. of knowledge and abilitated have been discontinuous discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo disco	position 47 f Pages 47
I hereby certify that the above no deliberate or willful omission waste is not designated a Haza GENERATOR'S AUTHORIZED 5-17-93 James 1	e and attached dons of compositions waste of compositions waste of compositions waste of compositions with the compositions with the compositions was an experience of compositions with the composition of the compositions with the composition with	9. GENERATOR'S  description is complete a tion or properties exists, by the USEPA or contain the Conta	Memo/Letter  CERTIFICATION  Ind accurate to the best of my that all known or suspected his PCBs regulated by TSCA	□ Waste Com No. of knowledge and abilitated have been discontinuous discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo discontinuo disco	reposition 47 f Pages 47 ity to determine, that sclosed, and that the
I hereby certify that the above no deliberate or willful omissic waste is not designated a Haz GENERATOR'S AUTHORIZED DATE PRINT NAME  This Section is to be complegenerator. DO NOT COLLECTIC I certify that the sample identi	e and attached dons of compositions of compositions waste of SIGNATORY:  **RECOMMENTAL CONTROL OF C	9. GENERATOR'S  description is complete a tion or properties exists, by the USEPA or contain   SIGNATURE  PRESENTATIVE SAMPLES THAT ARE RATE is being forwarded to B	Memo/Letter  CERTIFICATION  Ind accurate to the best of my that all known or suspected hins PCBs regulated by TSCA.  Ascent for Beat Till  AMPLE CERTIFICATE  Tole of the above described walloactive, SHOCK SENSISF for evaluation is represent	Waste Con No. of  knowledge and ability and the control of the waste did not be control of the	ity to determine, that sclosed, and that the INITIALS  representative of th OR PYROPHORIC. escribed above. I also
I hereby certify that the above no deliberate or willful omissic waste is not designated a Haz GENERATOR'S AUTHORIZED DATE PRINT NAME  This Section is to be completed generator. DO NOT COLLECT I certify that the sample ident understand that, should the wreturned to the generator.	e and attached dons of compositions of compositions waste of SIGNATORY:  Control of Cont	9. GENERATOR'S  description is complete a tion or properties exists, by the USEPA or contain a support of th	Memo/Letter  CERTIFICATION  Ind accurate to the best of my that all known or suspected hins PCBs regulated by TSCA.  Ascent for Bealing Title  AMPLE CERTIFICATE  Sole of the above described with ADIOACTIVE, SHOCK SENSINGS SET or evaluation is represent the september of the sent and	Waste Com No. of	ity to determine, that sclosed, and that the INITIALS  representative of the OR PYROPHORIC. escribed above. I also
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ATTACHMENT D-2

DRUM CARCASSES

# MICHIGAN DEPARTMENT

DO NOT WRITE IN THIS SPACE ois 🗆

REJ.	PR. 🗆

Required under authority of Act 64, P.A. 1979, as amended and Act 130 P.A. 1969.

Fallure to file is punishable under section 299.648 MCL or Section 10 of Act 136, P.A. 1969.

	OF NATURAL RESOURCES	11. 🗆 💛		For	n Approved. OMB	No. 2050-0039 Expires 9-90-94
50 p	rint or type.	T'S US EPA ID No. Ma	nifest	2. Page	1. Informati	on in the straded areas
	UNIFORM HAZARDOOD	7  9  3  5  5  5  2  3  Docum	Pent No	of	1 is not i	required by Faderal
	TINO I C MAINTENANCE		(1 )	A.Sta	te Manifest Do	cument Number
3.	Generator's Name and Mailing Address Wildwood Conservation Corporati	on care of RETEL	- (X)	M	. 7) 1	L02456
	Wildwood Conservation Corporati	A 01901		141	o Constalor's	10 Willyard Crown
	9 Part LANC CONCURD M	IA 31742	1	B. 318	Corp. Zul	SARM ST. JABBON MA
	Generator's Phone 508 1371-1422	•				
5	Transporter 1 Company Name	6. US EPA ID Numbe	• 1	C. Sta	te Transporter	6 19man 29410
•	Jeffrey Chemical Company	MADO 8 0 0 3 0		D. Tra	nsporter's Pho	ne 508-657-7560
-	Transporter 2 Company Name	8. US EPA ID Numb	er	E. 810	te Transporter	's ID
′	Transporter & Company to the					ne de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
L.	Designated Facility Name and Site Address	10. US EPA ID Numb	er .	G. 81	ate Facility's 10	D ************************************
<b>9</b> .	Wayne Disposal Inc.					
	49350 No. I-94 Service Drive			H. Fa	cility's Phone	24. 27.004.23
1	Belleville MI 48111	MIID048090	61313	313	-697-7830	1
1			12.Conta	STACK	13.	14. 1. Waste 1
11	. US DOT Description (Including Proper Shipping N	lame, Hazard Class, and		ı I	Total	Unit No.
1	HM (Ď NUMBER).		No.	Type	Quantity	M/M
<b>a</b> .	Varandayo Solid				Ī	
"	Not DOT, Not RCRA Regulated			C 4	22220	NHCBN
1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	·	1100	CIM	00005	
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1				1/4 1/4	andling Codes	for Weeten at 1
-	. Additional Descriptions for Materials Listed Ab	ove .		K. Ha	sted Above	for Wastes a/
`	lla. empty drums CODE 011794WA			-;	3,00 7,0070	b/ /
1				j .	· · ·	c/ /
	•	•		ĺ		——————————————————————————————————————
						d/ /
L	5. Special Handling Instructions and Additional In-	formation CERTIFICATE OF	DISPO	SAL I	REQUIRED.	#1043735
ין <u>ו</u>	5. Special Handling Instructions and Adams in	She 4 271	1112	2-	•	1073/33
П	Emergency Contact: Jamic Gre	Aces 508 # 371	176	describ	ed above by	
-	is. GENERATOR'S CERTIFICATION: I hereby declare that the co proper shipping name and are classified, packed, marked, and	intents of this consignment are fully and A labeled, and are in all respects in prof	per condition	n for tra	insport by highway	,
11	proper shipping name and are classified, packed, market	t moulations				
Ш		ngram in place to reduce the volume (	and toxicity	of was	te generated to t	he degree! have determined
Ш	to be economically placticable and that I have solveton	. AB. '41 am a small guantity of	ACAPBICA	hava n	nade a good faith	effort to minimize my waste
Ш	present and future threat to human health and the envir generation and select the best waste management me	ethod that is available to me and th	at I can a	ffor <b>d</b> .		
П	generation and select the book tooks					Month Day Year
11	Printed/Typed Name	Signature	//. /			65 P18 15 15
٧L	2. 1 la 16 4 Accent for Bens	hre) feel day	A			
<b>!</b> 4	17. Transporter 1 Acknowledgement of Receipt of	Materials	7	<u> </u>		Date
R L	Printed/Typed Name	Signatyrie	7	/ /	1	Month Day Year
A	FILMON 1900 Spills	1 // _	11	11	SIN	p5 p194
•	amel 16/6/100	Marguela VIIII	170		CV 1	Date
2	18. If ampointer 2 Acknowledgement or Receipt of	Signature	/_			Month Day Year
т	Printed/Typed Name	Signators				1 1 1 1 1 1 1
E						
ヿ	19. Discrepancy Indication Space					
	·					
ام						
			4 5		C. 0400m. 60 CO	ned in
FACILITY	20. Facility Owner or Operator: Certification of recei	pt of hezardous meterials covered	מותן עם כ	m <b>an</b> (19)	Pr aveant as un	
Ţ	Item 19.			<del></del>		Magin Day Year
	Printed/Typed Name	Signature	1000	h	MADOS	L 10510,9194
	—: ———————————————————————————————————					



MANAGEMENT SERVICES, INCORPORATED

#### Certificate of Disposal

This certificate is to verify the wastes specified on Manifest # M13/02456 have been properly disposed of in accordance with all local, state, and federal regulations. "Disposed of" means either: 1) Burial, or 2) Processed as defined in 40 CFR et seq.

Facility Name:

**Envotech Management Services** 

Address:

49350 North Service Drive

Belleville, Michigan 48111

Phone Number:

(313)697-2200

EPA ID No .:

MID 000 724 831

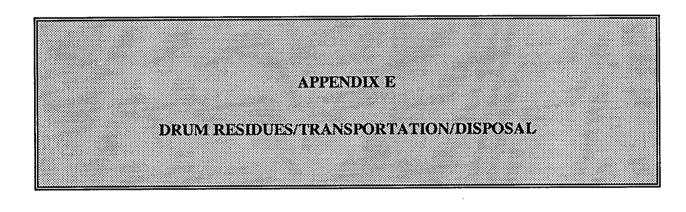
Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

Envotech Management Services, Inc.

Signed:

ed Signature



# MICHIGAN DEPARTMENT OF NATURAL RESOURCES

FPA Form 8700-22 (Ray 9/88)

# 

PR 5110

eas				
A.	WASTE MANIFEST MP 6 1 7 9	A ID No. Manifest 3   5   5   5   2   3   Manifest 3   5   5   5   2   3   Manifest	of 1 aw.	ed by rederat
	3. Generator's Name and Mailing Address Wildwood Conservation Corporation		A. State Manifest Docume 3124	991
	246 Salem Street Road, Woburn MA 01	501	B. State Generator's ID	
	4. Generator's Phone (508 ) 371–1422 5. Transporter 1 Company Name 6.	US EPA ID Number	C. State Transporter's IDT	6921WAJ
	Freehold Cartage Inc. N.J. 7. Transporter 2 Company Name 8.	D  0  5  4  1  2  6  1  6  4	D. Transporter's Phone 901 E-State Transporter's ID	8-462-1001
			F. Transporter's Phone	ALCOHOLD S
	9. Designated Facility Name and Site Address 10.  Envotech Management Services, Inc.	US EPA ID Number	G. State Facility's ID	
	49350 No. I-94 Service Drive		H. Facility's Phone	
Π		D0000724831		
	<ol> <li>US DOT Description (including Proper Shipping Name, Ha HM ID NUMBER).</li> </ol>	No.	ainers 13. 14. Total Unit Type Quantity Wt∕Vol	I. Waste No. N/H
E	a. X RQ, Hazardous Waste, Liquid, n.o.s	., (Chlordane),		
	9, NA3082, III (D020).	0017	DMODISISO G	D Ю 2 О Н
7	b. X RQ, Hazardous Waste, Solid, n.o.s.	(Chlordane),		
2	9, NA3077, III (D020).	Hold	DMOILD POP	рого н
	c. Non Hazardous Liquid			
	Not DOT, Not RCRA Regulated	P.do	DIMONOOP -	0  2  9 L N
	d. Non Hazardous Solid			
	Not DOT, Not RCRA Regulated	hha	DMDIRODP	0  2  9 L N
	J. Additional Descriptions for Materials Listed Above	77.5	K. Handling Codes for Wa	stes a/ /
7	Ila. Petroleum Jelly CODE 111993MG 11b. soil CODE 111993MF	13383	ALLISTED ADOVE	b/ /
	lic. glue resin CODE 111993ME 11d. white powder CODE 111993MJ	三等三数数分号38~		c/ /
		3840		d/ /
	15. Special Handling Instructions and Additional Information		lla,b: Use ERG#31. 11a. Drums are 85	gal.overpaks
	Emergency Contact: TAMPS (TO)  16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of the	s consignment are fully and accurately	described above by	
T	proper shipping name and are classified, packed, marked, and labeled, are according to applicable international and national government regulations	d are in an respects in proper condition	Tio: transport by mighter	
	If I am a large quantity generator, I certify that I have a program in plato be economically practicable and that I have selected the practicable	ace to reduce the volume and toxicity le method of treatment, storage, or d	of waste generated to the degre isposal currently available to me	et have determined which minimizes the
7	to be economically practicable and that I have selected the practicab present and future threat to human health and the environment; OR generation and select the best waste management method that it	THE ARTER STEEL CONTINUE ACTIONS OF THE	Have meac a good tarm	,
				Month Day Year
Ļ	Printed/Typed Name	Signature		1/12/01/1913
7	17. Transporter 1 Acknowledgement of Receipt of Materials	I Continue	· 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date
ė	Printed/Typed Name	Signature		Month Day Year
	Alan RAND	ala Kal		115 Di 1213
P O R	18. Transporter 2 Acknowledgement or Receipt of Materials		they be a second of the second	Month Day Year
ĺ	Printed/Typed Name	Signature		Month Day Teal
-	19. Discrepancy Indication Space		2850	
Í	10 010 G() M	W		
Ţ.,	20. Facility Owner or Operator: Certification of receipt of hazar	dous materials covered by this n	nanifest except as noted in	
Ţ	Item 19.	and the second s		Date Month Day Year
ľ	Printed/Typed Name	Signature		Month Day Year
	1 10 - 11 / - 10		12/20 /	コノア レスのじろく



#### LOO NOT WRITE IN THIS SPACE

Fellure to file to punishable ungerte care trong 299,548 MCL or 5ection 10 c

ATT. DEV DIS, LESS, RELIGION PRODE

1. Generator's US EPA ID WASTE MANIFEST HIP 6 1 7 9 3 5 5 5 2 3 Generator's Name and Mailing Address A State Manifest Document Number Wildwood Conservation Corporation 246 Salem Street Road, Woburn MA 01801 B. State Generator's ID 371-1422 Generator's Phone (508) 6 SUS EPA ID Number C State Transporter's ID 69 1 77 8 J D D 5 A 1 2 6 1 6 4 D Transporter's Phone 908-462-10 5. Transporter 1 Company Name Freehold Cartage Inc. 7. Transporter 2 Company Name 8. SEPA ID Number E State Transporter's ID E Transporter's Phone assets and Envotech Management Services, Inc. 49350 No. I-94 Service Drive Belleville, MI 48111 MID 0 0 0 7 2 4 8 3 1 3 15 313-697-7830 11. US DOT Description (including Proper Shipping Name, Hazard Class, and 12. Containers ID NUMBER). MVAN NO WANTH Quantity Type RQ, Hazardous Waste, Solid, n.o.s., (Cadmium) 9, NA3077, III (D006). Additional Descriptions for Materials Listed Above (L. Handling Codes for Wastes a/ 刻二 Listed Above lla. Clay CODE 111993MK b/ = = = Cly Code 111993MK c/ - // - -5. Special Handling Instructions and Additional Information Was Lia. Use ERG#31. Emergency Contact: JAMES GREACEN 500-511-141 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to be a control of the value of the design of the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR; if I am a small quantity generator; I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Month Day Year Printed/Typed Name Anahiuna HOPA Date ... 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Day Signatur 18. Transporter 2 Acknowledgement or Receipt of Materials 55 274 **\$** : Date Printed/Typed Name Signature Month Day Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered of this manifest except term 19. 100 Date Printed/Typed Name Signature Month Day Year

om 3 5



MANAGEMENT SERVICES. INCORPORATED

#### CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # ME 3124951 have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of means either. 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME:

ENVOTECH MANAGEMENT SERVICES

ADDRESS:

49350 North Service Drive

Belleville, Michigan 48111

PHONE NUMBER:

313/697-2200

EPA I. D. NO.:

MID 000724831

Should you have any questions or require additional information, please feel free to contact this office.

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

Signed.

(Authorized Signature)

MANAGEMENT SERVICES. INCORPORATED

#### CERTIFICATE OF DISPOSAL

This certificate is to verify the wastes specified on Manifest # MI 312499Z have been properly disposed of in accordance with all local, state and federal regulations. "Disposed of means either. 1) Burial, or 2) Processed as defined in 40 CFR et seq.

FACILITY NAME:

ENVOTECH MANAGEMENT SERVICES

ADDRESS:

49350 North Service Drive

Belleville, Michigan 48111

PHONE NUMBER:

313/697-2200

EPA I. D. NO.:

MID 000724831

Should you have any questions or require additional information, please feel free to contact this office

Very truly yours,

ENVOTECH MANAGEMENT SERVICES, INC.

(Authorized Signature)



DEBRIS SOIL A

TRANSPORTATION AND DISPOSAL

## **Debris Soil A Shipping Summary**

	N
Load #	Weight
1	19.50
2	6.79
3	13.64
4	10.32
5	14.98
6	13.86
7	16.68
8	14.43
9	12.18
10	12.04
11	14.89
12	8.40
13	9.89
14	13.07
15	13.89
16	13.97
17	14.17
18	17.23
Total	239.93

03/02/95

waste is asbestos waste, complete Sections I, II, III and IV. waste is <u>NOT</u> asbestos waste, complete only Sections I, II, and III.

No. 005156

DOUS SPECIAL WASTE & ASBESTOS MANIFES

Section I **GENERATOR** (Generator completes all of Section I) BEATRICE COMPANY, CT CORP BEATRICE FOODS, INC. b. Generating Location: a. Generator Name: BEAR SALEM STREET d. Address: Address: 50E04 WOBURNI MA 01801 ortował w 749-5050 16175 749 -- EOEO Phone No.: owner of the generating facility differs from the generator, provide: f. Phone No.: h. Owner's Phone No.: Owner's Name: TYPE 885 / 9400+5 / 2**0897** ? DM - METAL DRUM BFI WASTE CODE Containers DP - PLASTIC DRUM WILL B - BAG **TYPE** Units No Description of Waste: k. Quantity - 6 MIL PLASTIC E or WRAP - TRUCK OTHER hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is **UNITS** ot a hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, - POUNDS and is in proper condition for transportation according to applicable regulations. - YARDS - CUBÍC METERS Tristen Silvia Hoent for Beating O - CUBIC YARDS enerator Authorized Agent Name - OTHER Section II TRANSPORTER (Generator completes a-d; Transporter I complete e-g) TRANSPORTER I (508) 649-7594 TYNGSE DEC DISTRICT d. Phone No.: e. Truck No.: Name: BLEATBALLS 600. ROAD f. Vehicle License No./State: \_\_\_\_\_\_ Acknowledgement of Receipt of Materials. Address: g. Driver Signature c. Driver Name/Title: Shipment [ Section III **DESTINATION** (Generator completes a-d; destination site completes e-f) S. H.J. c. Phone No.: Site Name: S. Male d. Mailing Address: Physical Address: 5.44514 Discrepancy Indication Space: hereby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate. Signature e of Authorized Agent Section IV ASBESTOS (Generator completes a-d,f,g, Operator\* completes e) b. Operator's\* Phone No.: Operator's\* Name: Operator's\* Address: Special Handling Instructions and additional information:. OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, particles and accurately described above by proper shipping name and are classified, particles are classified. narked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations. Operators\* Name & Title: Print/Type Operator's\* Signature Date Name and Address of Responsible Agency: % nonfriable % friable Non-friable; Both Friable;

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or



# MON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

	of 100 If waste is asbestos waste, con if waste is NOT asbestos waste.	mplete Sections I, II, III a e, complete only Section	hd IV.	515/
ection I	GENERATOR (Gene			2
Generator Name: _	BEATRICE COMPANY, CT CORP.	b. Generating Location	BEATRICE FOODS	INC.
dress:	208 LA SALLE STREET	_ d. Address:	248 REAR SALEMS	STREET
, Luitess.	CHICAGO, IL 60604	_ 0.7.00.000.	WOBURN, MA 0180	)i
Thone No.: mer of the general wner's Name:	(617) 749-5050 ting facility differs from the generator, provide:	f. Phone No.:  h. Owner's Phone No	(617) 749–5050	
BEI WASTE CODE _	MA / 855 / 940915 / 208977	_	Containers	TYPE DM - METAL DRUM
scription of Waste:_	SOIL CONTAMINATED WITH POR'S	_ k. Quantity	Units No. TYPE	DP - PLASTIC DRUM B - BAG
	FROM UNKNOWN SOURCE		<u> </u>	BA - 6 MIL. PLASTIC BAG or WRAP T - TRUCK
a hazardous was		ned by 40 CFR Part 260.1 , has been properly desc	10 or any applicable state law, is bribed, classified and packaged,  10-27-93  Shipment Date	O - OTHER  UNITS P - POUNDS Y - YARDS M³ - CUBIC METERS Y³ - CUBIC YARDS O - OTHER
	/			O FOITER
Section II	TRANSPORTER (Generator of TRANSPORTER)	completes a-d; Transpo	orter I complete e-g) (508) 649-7564	
ame:	BELLINGSBUNG DISTRICT	d. Phone No.		e. Truck No.:/ 🙈
Address: _	385 DUNSTABLE ROAD	f. Vehicle Lice	ense No /State: 173211 N gement of Receipt of Materials.	(A
Driver Name/Title:	TYNGSBORO, MA 01879  Daniel Dancause  PrintType	g. Driver Signature	De Jeneauer	NO 2017 Shipment Date
ection III	. <b>DESTINATION</b> (Generator cor	npletes a-d; destinatio	n site completes e-f)	
Site Name:	SPEMAHONING LANDHILL	c. Phone No.:		
hysical Address:	8100 S STATE LINE BOAD	_ d. Mailing Addres	PO 80X 5240	
,	LOWELLVILLE, OH 44436	_	17 LAND, OH 4451	4
iscrepancy Indicati	on Space:			
hereby certify that t	he above named has been accepted and to the best of my know	ledge the foregoing is true	and accurate.	
<b>1</b>	EtT Hele 1/11	16-		10-29-93
me of Authorized Ag	ent Signature	<i>F</i> .		Receipt Date
Section IV	ASBESTOS (Generator con	mpletes a-d,f,g, Operat	or* completes e)	
perator's* Name:		b. Operator's* Phone N	No.:	
Operator's* Address:	•			
	ions and additional information:	. <del>"</del>		
PERATOR'S CERTI	IFICATION: I hereby declare that the contents of this consignme and are in all respects in proper condition for transport by highwa	ent are fully and accurately by according to applicable	described above by proper shipping international and governmental regu	name and are classified, pack lations.
perator's* Name & Title:	Print/Type	Operator's* Signatu	ure .	Date
Name and Address	• •	•		-

perator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both

\_ % friable

Responsible Agency: .

Non-friable;

Both



## NON-HAZARDOUS SPECIAL WASTE & ASBEST

No. 005158

	If waste is <u>NOT</u> asbestos wast	e, complete only Sections I	, II, and III.	مست
ection I	GENERATOR (Gene	rator completes all of Se	ction I)	
Senerator Name:	BEATRICE COMPANY, CT CORP.	b. Generating Location:	BEATRICE FOODS, INC.	
dress:	208 LA SALLE STREET	d. Address:	248 REAR SALEM STREET	
uless.	CHICAGO, IL 60604		WOBURN, MA 01801	
one No.:	(617) 749-5050	_ f. Phone No.:	(617) 7495050	
The No.:  The no	ing facility differs from the generator, provide:	h. Owner's Phone No.:	The second secon	
WASTE CODE	MA / 855 / 940915 / 208977		TYPE Containers DM - METAL DRUM	
	SOIL CONTAMINATED WITH PCB'S	– _ k. Quantity U	DP - PLASTIC DRUM Inits No TYPE B - BAG	
Description of Waste:	FROM UNKNOWN SOURCE		BA - 6 MIL. PLASTIC I or WRAP	BAG
ot a hazardous wast	e above named material does not contain free liquid as define as defined by 40 CFR Part 261 or ant applicable state law ition for transportation according to applicable regulations.  The state of the	ned by 40 CFR Part 260.10 has been properly describ	ped, classified and packaged, P - POUNDS Y - YARDS M³ - CUBIC METERS Y³ - CUBIC YARDS	<u>.</u>
nerator Authorized Age	nt Name Signature		Shipment Date O - OTHER	
ection II	TRANSPORTER (Generator of			
Name:	BELTYNGSBORD DISTRICT TRA	NSPORTER I d. Phone No.:	(508) 645-7564 e. Truck No.: 12	
ddress:	385 DUNSTABLE ROAD	_ f. Vehicle Licens	se No./State:	
·_	PYNGSBORO, MA 01879	Acknowledge	ment of Receipt of Materials.	,
iver Name/Title:	Daniel E Dancause	g. Noned	Ellanaun 11/19 Shipment	93 Date
Section III	, DESTINATION (Generator co		site completes e-f)	
<b></b>	SFI MAHONING LANDFILL	_ c. Phone No.:	(216) 53648013	
te Name:	8100 S. STATE LINE ROAD	_ d. Mailing Address:	PO BOX 5240	
Physical Address:	LOWELLVILLE, OH 44436	_ U. Mailing Address.	POLAND, OH 44514	
	0			
Discrepancy Indication I hereby certify that the	on space: ne above named has been accepted and to the best of my know	ledge the foregoing is true a	nd accurate.	
	Part Part	1 Rett	1 - 1 - 1 - 1 - 22 - 9	3
lame of Authorized Age	ent Signature	7	Receipt Date	
ection IV	ASBESTOS (Generator co	npletes a-d,f,g, Operator	* completes e)	.3
Operator's* Name: _	**************************************	_ b. Operator's* Phone No.		
perator's* Address:_	***	<b>- 0.0p</b> 0.000		
	ons and additional information:			
•	FICATION: I hereby declare that the contents of this consignment	nt are fully and accurately de	escribed above by proper shipping name and are classified.	acked
ked, and labeled, a	nd are in all respects in proper condition for transport by highwa	y according to applicable into	ernational and governmental regulations.	
Operator's* Name & Title:	rint/Type	Operator's* Signature	Date	.е
ne and Address lesponsible Agency: _				
Friable;	Non-friable; Both	% friable	% nonfriable	•
	su Kuli I sa kachali wahilkiwi biasez	n de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la  i de komzete din e di este i en en en e	J. 19	

ator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

# NONHINEOUS SECONALIWASTE & ASBESTOS MANTEES

No. 005159

PROCESSION OF THE	If waste is <u>NOT</u>	asbestos waste, co	omplete only Sections	I, II, and III.	
ection I	GENER	ATOR (Generato	or completes all of So	ection I)	
enerator Name:	BEATRICE COMPANY, CT	CORP	b. Generating Location	BEATHICE FOODS	INC
Address:	208 LA SALLE STREET		d. Address:	248 REAR SALEM	STREET
	CHICAGO, IL 60604		a., wai 000.	WOBURN, MA 018	014
Phone No.:	(617) 749-5050	and the same that the same of	f. Phone No.:	(617) 749-5050	The Control of the Co
er of the generation of the ge	ng facility differs from the generator, provide:		h. Owner's Phone No.:		THE RESERVE AS A SECOND
FI WASTE CODE	MA / 8557 940915 / 208977	7	Alerena	Containers	TYPE DM - METAL DRUM
ription of Waste:	SOIL CONT. JAINATED WIT	THPCB'S		Units No. TYPE	DP - PLASTIC DRUM B - BAG
	FROM UNKNOWN, SOURC	E	in the second se	1	BA - 6 MIL PLASTIC BAG or WRAP T - TRUCK
hazardous waste oris in proper condit	e above named material does not contain free e as defined by 40 CFR Part 261 or ant application for transportation according to applicable	cable state law. has	by 40 CFR Part 260.10 been properly describ	or any applicable state law, is bed, classified and packaged,	O - OTHER  UNITS P - POUNDS Y - YARDS
ator Authorized Ager		Signature	- Liller	12 13 F13 Shipment Date	M <sup>3</sup> - CUBIC METERS Y <sup>3</sup> - CUBIC YARDS O - OTHER
Section II	TRANSPORTER	(Generator com	oletes a-d; Transport	ter I compl <u>ete e-a)</u>	
	BFI TYNGSBORO DISTRIC		ORTER I	(508) 649-7564	
me:	385 DUNSTABLE ROAD	- San San San San San San San San San San	d. Phone No.:		e. Truck No.: \12
Address:	TYNGSBORO, MA 01879	ericani de la compansión de la compansió	f. Vehicle Licen: Acknowledge	se No./State:	M IA CONTRACTOR
	Daniel F. Dansause	<u> </u>	Da. 0.	6	12/-10-
	Print/Type		Driver Signature	- Wantam	Shipment Date
ction III	DESTINATION (C BEI MAHONING LANDFILL	Generator comple	tes a-d; destination	site completes e-f) (210) 530-8013	
ite Name:	8100 S. STATE LINE ROAD		c. Phone No.:	PO BOX 5240	
rsical Address:	LOWELLVILLE, OH 44436	<del></del>	d. Mailing Address:		<b>A</b> .
<u> </u>	A CONTRACT VILLE, CALL PROPERTY	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Alternative products of the	FULLHAM, UTSHAGE	The state of the s
repancy Indication	n Space: e above named has been accepted and to the b	est of my knowledge	the forecoing in this or	nd accurate	A Company of the Comp
	a mare risines risa peci accepted and to the b	Only widwiedge	one roregoing is true at	IN GENERAL SERVICES	
of Authorized Agen	nt	Signature S	M	<u> </u>	Q 06 93 Receipt Date
			·	••	· ioooipi Deito
ection IV	ASBESTOS (6	Generator complet	tes a-d,f,g, Operator'	* completes e)	
ators* Name:	. Maria Watta a wakaza wakaza wa kata	<u> </u>	. Operator's* Phone No.		Congression Constitution
perators* Address:	Parameter Commence				
al Handling Instruction	ns and additional information:				
ERATOR'S CERTIFI	ICATION: I hereby declare that the contents of t d are in all respects in proper condition for trans	this consignment are	fully and accurately de	scribed above by proper shipping	name and are classified, packed,
ors* Name & Title:	a are in an respects in proper condition for trans	puit by highway aco	ording to applicable inte	enauonai and governmentai regul	ALIONS.
Pri	nt/Type		Operator's* Signature	-1	Date Town
	alii legalari Nebalah Bari Kebabi		Operators Signature		V Service Control of the Control of
me and Address Septonsible Agency:			Operators agriatine		Valo
Proportion Agency:	Non-friable; Both		% friable	% nonfriable	

## NONHINAMA EON EE EENAMEN EN EN EEN EURONIAN EON EEN EURONIAN EN NOOMBERE EURONIAN EN NOOMBERE EURONIAN EEN EUR

No. 005180

ction I	GENERATOR (Gen	erator completes all of Se	ction I)
enerator Name:	BEATRICE COMPANY, CT CORP	b. Generating Location	BEATRICE FOODS, INC.
Iress:	208 LA SALLE STREET	d. Address:	248 REAR SALEM STREET
	CHICAGO, IL 60604		WOBURN, MA 01801
bone No.:	(617) 749-5050	_ f. Phone No.:	(617) 749-5050
er of the generation	ng facility differs from the generator, provide:	h. Owner's Phone No.:	a mandalah bang atau salah perdalah bilangan
I WASTE CODE _	MA / 855 / 940915 / 208977		TYPE Containers DM - METAL DRUM
ription of Waste:	SOIL CONTAMINATED WITH PCB'S	; k. Quantity U	DP - PLASTIC DRUM  Units No. TYPE B - BAG
	FROM UNKNOWN SOURCE		BA - 6 MIL PLASTIC BAG or WRAP
by certify that the	e above named material does not contain free liquid as defi	ned by 40 CFR Part 260.10	or any applicable state law, is
hazardous waste	e as defined by 40 CFR Part 261 or ant applicable state law tion for transportation according to applicable regulations	, has been properly describ	ed, classified and packaged, P - POUNDS
allARVI	dana Ant for Bestore	Laciter	Y -YARDS M³ - CUBIC METERS Y³ - CUBIC YARDS
itor Authorized Ager	it Name Signature		Shipment Date O - OTHER
ection II	TRANSPORTER (Generator	completes a-d; Transport	er I complete e-g)
ne:	BFI TYNGSBORO DISTRICT - TRA	NSPORTER I  d. Phone No.:	(508) 649-7564 e. Truck No.: 12
ddress:	385 DUNSTABLE ROAD		
	TYNGSBORO, MA 01879	Acknowledge	ne No./State: MA A 173211 ment of Receipt of Materials.
river Name/Title:	Daniel E. Dancause	g X) and	12/7/2
ction III	Print/Type	Driver Stgnature	Shipment Date
CHOITIII	DESTINATION (Generator co	mpietes a-d; destination s	(216) 535-8013
te Name:	8100 S. STATE LINE ROAD	_ c. Phone No.:	PO BOX 5240
sical Address:	LOWELLVILLE, OH 44436	_ d. Mailing Address:	POLAND, OH 44514
	LOWER VIEW, OH TYPES WAY A	<del>-</del>	A POLICY OF A STATE OF A PROPERTY OF
repancy Indication	n Space: e above named has been accepted and to the best of my know	Medge the foregoing is true ar	nd accurate.
	0.00		
of Authorized Ager	nt Signature	Kitt	Receipt Date
oction IV	ACRECTOS (S		
ection IV	ASBESTOS (Generator co	mpletes a-d,1,g, Operator	completes e)
rators* Name:	* **	, +b. Operator's* Phone No.	
perator's* Address:		· · · · · · · · · · · · · · · · · · ·	
ial Handling Instruction	ns and additional information:		
	ICATION: Thereby declare that the contents of this consignme d are in all respects in proper condition for transport by highwa		scribed above by proper shipping name and are classified, packed
	a are an an experience in proper continuent for transport by Highwa	y associating to applicable lift	nisalonal and governmental (Egulativis).
	int/Type	Operator's* Signature	Date
me and Address sponsible Agency:			
Friable;	Non-friable; Both	% friable	% nonfriable
			그 이외에의 아시 회사가 되게 활겨가 되어?



# ON:HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFES No. 005161

If waste is asbestos waste, complete Sections I, II, III and IV.

oction I	GENER	ATOR (Generate			·····································	हिन्दा प्रदेशकर प्रकार अंक्ष्याच्या प्राप्तान स्थाप स्थापी स्थापी स्थापी स्थापी स्थापी स्थापी है । स्थापी	
ection I	BEATRICE COMPANY, CT	CUBBINESS		BEA	TRICE FOODS	INC	
Generator Name:	- ZWIASALE STREET	<del></del>	D. Gerleraung Loca	ation:	248 REAR SALEM STREET		
ddress:	CHICAGO, IL 60004		d. Address:	WOI	31,FIFE MA 018	л	
-	(617) 749-5050	· · · · · · · · · · · · · · · · · · ·		(617	749-5050		
hone No.: vner of the generat	ting facility differs from the generator, provide	:	f. Phone No.:				
wner's Name: _	MA / 896 / 940915 / 20897	7	h. Owner's Phone	No.:		TYPE	
FI WASTE CODE _	Sam Cantampana w				Containers	DM - METAL DRUM DP - PLASTIC DRUM B - BAG	
scription of Waste:_	FROM UNITEDWINES AND		k. Quantity	Units	No. TYPE	BA - 6 MIL. PLASTIC BAG or WRAP	
		- the sid on defined		0 10 or any a	policable state law is	T - TRUCK O - OTHER	
🖣 a hazardous was	ne above named material does not contain fre te as defined by 40 CFR Part 261 or ant appl dition for transportation according to applicab	licable state law, na	s been properly de	escribed, clas	silled and packaged,	UNITS P - POUNDS Y - YARDS M³ - CUBIC METERS	
erator Authorized Ag	ent Name	Signature				Y <sup>3</sup> - CUBIC YARDS O - OTHER	
Section II	TRANSPORTE		ipletes a-d; Trans PORTER I		nplete e-g) 3) (5497564		
Name: _	BH I MIGSECRO DISTHIC	1 - ITVANOI	d. Phone N	No.:	,	e. Truck No.: <u>/2</u>	
Address: _	SAS DUMBHABIT, ROAD		f. Vehicle L	icense No./S	tate: MA ) 7. Receipt of Materials.	3211	
	TARKEDORO MV 01823		1	<i>f</i> /			
Driver Name/Title:	Tonial Dancouse Print/Type		g. Driver Signature	ممسؤميه	Bourses	Shipment Dat	
Section III	. DESTINATION	(Generator comp	letes a-d; destina				
Cita Mamai	राम । वेगान्त्रात ग्रीमानात । त्यासम् ॥ ।		c. Phone No.:	*	y boar anta		
Site Name:	BIOUS CHAILLING LUA	(,)	d. Mailing Add	lress:	Sk M. Dobbi		
Physical Address:	Court is the second			<b>}</b> `{ : :	· 高次數別(公共) (4級数)		
)is a response a Indiant	ion Coope						
Discrepancy Indicati Thereby certify that t	the above named has been accepted and to the	bést of my knowled	ge the foregoing is t	true and accu	rate.	1. 1. 10.	
Michael 1	DOVIE RETAIN BEATEICE	Much				12/10/13	
ame of Authorized Ag	gent	Signature	×.	J .		Receipt Date	
Section IV	ASBESTOS	(Generator comp	letes a-d,f,g, Ope	rator* comp	letes e)		
Operator's* Name:			b. Operator's* Phor	ne No.:		<u> </u>	
Operator's* Address:	•						
	ctions and additional information:		-		·•		
	<b>ПFICATION:</b> I hereby declare that the contents and are in all respects in proper condition for tra	of this consignment ansport by highway a	are fully and accurat according to applical	tely described ble internation	above by proper shippinal and governmental reg	ng name and are classified, pact gulations.	
Progratoris* Name & Title			Operator's* Sig		· ·	Date	
Name and Address	Print/Type		operators" Sig	prature -			
f Responsible Agency:			•				
Friable;	Non-friable; Bo	th	% friable		% nonfriable		
<u> </u>						•	

Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both GENERATOR RETAIN

#### N-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV. If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005162

	GENERATOR (Gene	erator completes all of Se	ection I)
700000 7	BEATRICE COMPANY, CT CORP.		BEATRICE FOODS, INC
rator Name:	208 LA SALLE STREET	b. Generating Location	248 REAR SALEM STREET
∎dress: → _	CHICAGO, IL 60604	d. Address:	WOBURN, MA 01801
one No.:	(617) 749-5050	- _ f. Phone No.:	(617) 749–5050
Ther of the general Owner's Name:	ting facility differs from the generator, provide:	_ h. Owner's Phone No.:	3
WASTE CODE _	MA / 855 / 940915 / 208977		TYPE Containers DM - METAL DRUM
escription of Waste:_	SOIL CONTAMINATED WITH PCB'S	_ k. Quantity U	Jnits No. TYPE B - BAG BLACKS DAG
	FROM UNKNOWN SOURCE	_ <u> </u>	BA - 6 MIL PLASTIC BAG or WRAP
*. reby certify that th	ne above named material does not contain free liquid as defir	ned by 40 CFR Part 260.10	or any applicable state law, is
a hazardous was is in proper cond	te as defined by 40 CFR Part 261 or ant applicable state law dition for transportation according to applicable regulation	, has been properly describ	ped, classified and packaged, P - POUNDS Y - YARDS
Masich	v Stert for Bestice	Jan J	M³ - CUBIC METERS Y³ - CUBIC YARDS
erator Authorized Ag	entrivane Signature		Snipment Date O - OTHER
ection II	TRANSPORTER (Generator of		<u> </u>
ame: _	CONTINUED DISTRICT	NSPORTER I d. Phone No.:	(508) 549 - 7564 e. Truck No.: 12
idress:	385 DUNSTABLE ROAD	_ f. Vehicle Licens	se No./State: 172211 M 13 ment of Receipt of Materials.
	TYNGSBORO, MA 01879	- \\	A Comment of the comm
iver Name/Title:	Daviel Doncesson	g. Driver Signature	Shippent Date
ection III	. <b>DESTINATION</b> (Generator co	mpletes a-d; destination s	site completes e-f)
e Name;	BFIMAHONING LANDFILL	c. Phone No.:	(216) 536–6013
hysical Address:_	8100'S STATE LINE ROAD	_ d. Mailing Address:	PO BOX 5240
lati yayata	LOWELLVILLE, OH 44436		POLAND, OH 44514
screpancy Indicati	on Space:		
nereby certify that the	he above named has been accepted and to the best of my know	ledge the foregoing is true ar	nd accurate.
me of Authorized Ac	Christian C	Pot	/2 - 16 93
ne of Authorized Age			necelpt vale
ection IV	ASBESTOS (Generator co	npletes a-d,f,g, Operator	* completes e)
perators* Name: _	au a sa sa sa sa sa sa sa sa sa sa sa sa s	b. Operator's* Phone No.	
erator's* Address:_	i katalogia kana katalogia katalogia katalogia katalogia katalogia katalogia katalogia katalogia katalogia kat Katalogia katalogia k		Balling and the second of the
ecial Handling Instructi	ions and additional information:		
RATOR'S CERTI	FICATION: I hereby declare that the contents of this consignme and are in all respects in proper condition for transport by highway	ent are fully and accurately de	escribed above by proper shipping name and are classified, packet emational and governmental regulations.
(1) 建二氯化	and an an expose an proper conduction to transport by highway	y according to approable like	A Section of the sect
erator's* Name & Title:	Pin/Jype	Operator's* Signature	Date
esponsible Agency			
Friable;	Non-friable; , Both	% friable •	% nonfriable
		ed stall a california	

## AON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005163

	If waste is aspestos waste, o	ste, complete only Sections	I, II, and III. ADUS RIES
ction I	GENERATOR (Gen	erator completes all of S	
nerator Name:	BEATRICE COMPANY, CT CORP.	b. Generating Location	BEATRICE FOODS, INC
dress:	208 LA SALLE STREET	d. Address:	248 REAR SALEM STREET
	CHICAGO, IL 60604		WOBURN, MA 01801
Laska	(617) 749–5050	f. Phone No.:	(617) 749-5050
	ing facility differs from the generator, provide:	h. Owner's Phone No.	
vner's Name:	MA / 856 / 940915 / 208977	II. Owner's Friorie 140.	TYPE Containers DM - METAL DRUM
WASTE CODE _	SOIL CONTAMINATED WITH PCB'S	k. Quantity	DP - PLASTIC DRUM Units No. TYPE B - BAG
cription of Waste:_	FROM UNKNOWN SOURCE		BA - 6 MIL PLASTIC BAG or WRAP T - TRUCK
a hazardous was	te above named material does not contain free liquid as det te as defined by 40 CFR Part 261 or ant applicable state lar lition for transportation according to applicable regulations	w, has been properly descri	or any applicable state law, is ibed, classified and packaged,    O - OTHER
rator Authorized Age		1,000	Shipment Date Y <sup>3</sup> - CUBIC YARDS O - OTHER
ection II	TRANSPORTER (Generator	completes a-d: Transpor	rter I complete e-q)
		ANSPORTER I	(506) 649-7564 e. Truck No.: 12
ıme: _ }	7 385 DUNSTABLE ROAD	d. Phone No.:	
dress: _	TYNGSBORO, MA 01879	f. venicie Licer Acknowledge	nse No./State: MAI732// ement of Receipt of Materials.
ver Name/Title: _	Daniel Dancause	g. Driver Signature	1 bucanes 12/17/5 Shipment Date
ection III	Print/Type  DESTINATION (Generator of		
	BELMAHONING LANDFILL		(216) 530-8013
e Name:	8100 S. STATE LINE ROAD	c. Phone No.:	PO BOX 5240
ysical Address:_	LOWELLVILLE, OH 44436	d. Mailing Address	POLANO, OH 44514
-			
screpancy Indicati ereby certify that the	he above named has been accepted and to the best of my kno	wledge the foregoing is true	and accurate.
	Part of the second seco	l het	<u> </u>
ne of Authorized Ag	ent Signature		Receipt Date
ection IV	ASBESTOS (Generator co	ompletes a-d,f,a,=0perato	or* completes e)
		b. Operator's* Phone No	
perator's* Name: _		D. Operators" Phone No	·
erator's* Address:_	and outlined information		
and the first of the state of t	ions and additional information:	nent are fully and accurately d	described above by proper shipping name and are classified, packed
ed, and labeled, a	IFICATION: I nereby declare that the contents of this consignity and are in all respects in proper condition for transport by highward are in all respects in proper condition for transport by highward are in all respects in proper condition for transport by highward are in all respects in the contents of the contents	vay according to applicable in	nternational and governmental regulations.
erator's* Name & Title:	Dint (Single Links and Single Links and	Operator's* Signatur	Date.
ne and Address	Printrype (a) year of the control of		
esponsible Agency:	A CARLOTTE STATE OF THE CARLOTTE STATE OF TH	o/ Habla	% nonfriable
Friable;	Non-friable; Both	% friable	76 TOTHING

#### EERIKAM GOTGEEGEAA ETTEAWLWASTE EUOGRAFANTES

If waste is asbestos waste, complete Sections I, II, III and IV.

No. 005164

	A The second sec		
Section I	GENERATOR (Gener	ator completes all of S	
Generator Name: _	BEATRICE COMPANY, CT CORP. ***	b. Generating Locatio	
nddress: _	208 LA SALLE STREET	d. Address:	248 REAR SALEM STREET
	CHICAGO, IL 60604		WOBURN, MA 01801
Phone No.:	(617) 749–5050	f. Phone No.:	(617) 749–5050
vner of the general	ting facility differs from the generator, provide:	h. Owner's Phone No.	
BFI WASTE CODE _	MA / 855 / 94091 5 / 208977		TYPE Containers DM - METAL DRUM
scription of Waste:_	SOIL CON. AMINATED WITH PCB'S	k. Quantity	Units No. TYPE B - BAG
Compact of Vacco.	FROM UNKNOWN SOURCE	The second secon	BA - 6 MIL PLASTIC BAY or WRAP
ereby certify that th	ne above named material does not contain free liquid as define	ed by 40 CFR Part 260.10	O or any applicable state law, is
a hazardous was	te as defined by 40 CFR Part 261 or ant applicable state law, dition for transportation according to applicable regulations.	has been properly descr	ibed, classified and packaged, P - POUNDS
Callan	sidena Agent Co Baloco	I day	Y - YARDS  M³ - CUBIC METERS Y³ - CUBIC YARDS
erator Authorized Ag	ent Name Signature		Shipment Date O - OTHER
Section II	TRANSPORTER (Generator co	ompletes a-d; Transpo	rter I complete e-g)
lame:	BFI TYNGSBORO DISTRICT - TRAN	SPORTER I	(508) 649-7564 e. Truck No.: 12
Address:	385 DUNSTABLE ROAD		네 그는 사람이 있는 사람들의 사람들이 사람들이 하는 것을 받았다.
, waress	TVNGSBORO, MA 01879	Acknowledg	nse No./State: MR 1752 11 ement of Receipt of Materials.
Driver Name/Title:_	Fariel Barrage	9	Jana 17-17-
	Print/Type	Driver Signature	Shipment Dat
Section III	DESTINATION (Generator com BELMAHONING LANDEILL	ipletes a-d; destination	n site completes e-f) (215) /535—8013
Site Name:	8100 S. STATE LINE ROAD	c. Phone No.:	PO BOX 5240
hysical Address:	LOWELLVILLE OH 44406	d. Mailing Address	POLAND, OH 44514
. ( )	GIND THELE IN VIDENCE CONTRACT		The state of the s
iscrepancy Indicati	on Space:	edge the foregoign is bue:	and accurate.
E. Stoby Column didt	The state of the s	<b>8</b> , 4	
me of Authorized Age	ent Signature	to the say	Receipt Date.
Soction IV	ACRECTOS	valetes and for G	wt completes o
Section IV	ASBESTOS (Generator com	:	
perator's* Name: _		b Operator's Phone No	
Operator's* Address:_		<u> </u>	
pecial Handling Instructi	ions and additional information:		
PERATOR'S CERTI	FICATION: I hereby declare that the contents of this consignmen and are in all respects in proper condition for transport by highway	t are fully and accurately d	lescribed above by proper shipping name and are classified, pack ternational and governmental regulations.
perators* Name & Title:	and one in an indipose in proper container for an appear of high may	- Andrews of the second of the	And come to be to a simple free free free free free free free fr
Name and Address	Print/Type	Operator's* Signatur	e Date
Name and Address Responsible Agency:			
Friable;	Non-friable; Both	% friable	% nonfriable

#### HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005165 🏠

ection I	GENERATOR (Gene	rator completes all of Se	ection I)	
ienerator Name:	BEATRICE COMPANY, CT CORP.	<ul> <li>b. Generating Location</li> </ul>	BEATRICE FOODS,	NC <sup>2</sup>
■dress:	208 LA SALLE STREET	_ d. Address:	248 REAR SALEM ST	TREET
	CHICAGO, IL 60604		WOBURN, MA 01801	
hone No.: her of the generation ner's Name:	(617) 749-5050 ng facility differs from the generator, provide:	f. Phone No.:  h. Owner's Phone No.:	(617) 749-5050	
FI WASTE CODE	MA / 855 / 940915 / 208977	_ 11. Owner's Prione No	Containers	TYPE DM - METAL DRUM
cription of Waste:	SOIL CONTAMINATED WITH PCB'S FROM UNKNOWN SOURCE	k. Quantity l	Jnits No. TYPE	DP - PLASTIC DRUM B - BAG BA - 6 MIL PLASTIC BAG or WRAP
a hazardous waste		has been properly describ	ped, classified and packaged,  12-29-93 Shipment Date	T - TRUCK O - OTHER <u>UNITS</u> P - POUNDS Y - YARDS M³ - CUBIC METERS Y³ - CUBIC YARDS O - OTHER
ection ii	TRANSPORTER (Generator of BF! TYNGSBORO DISTRICT - TRAI	ompletes a-d; Transport	(508) 649-7564	4.0
me:	386 DUNSTABLE FIOAD	_ d. Phone No.: _ f. Vehicle Licen: Acknowledge	se No./State: <u>MAI7321</u> ment of Receipt of Materials.	e. Truck No.: <u>/1</u>
river Name/Title:	TYNGSBGRO, MA: 01879.  TOSW: 1 E Dowcouse.  Print/Type	g. Driver Signature	- Danner	12 / 3 9 7 Shipment Date
ection III	DESTINATION (Generator con BELMAHONING LANDELL	npletes a-d; destination :	site completes e-f) (216) 536-8013	
vsical Address:	8100 S. STATE LINE ROAD	d. Mailing Address:	PO BOX 5240	į ·
, oloui 7 udi 000.	LOWELLVILLÉ, OH 44436	_ u. Maining Address.	POLANO, OH 44514	
crepancy Indication	n Space:		/\	
ereby certify that the	e above named has been accepted and to the best of my knowledge above named has been accepted and to the best of my knowledge.	ledge the foregoing is true as	nd accurate.	6-94
e of Authorized Ager	nt Signature	g com com	10	Receipt Date
ection IV	ASBESTOS (Generator con	npletes a-d,f,g, Operator	* completes e)	
erator's* Name:		b. Operator's* Phone No.		123
peratór's* Address:			d w	
<b>1</b>	ns and additional information:		/ N. L.	:
RATOR'S CERTIF	ICATION: I hereby declare that the contents of this consignment drain all respects in proper condition for transport by highway	nt are fully and accurately de according to applicable inte	scribed above by proper shipping na emational and governmental regulati	ame and are classified, packed ons.
ator's* Name & Title: Prime and Address	int/Type	Operator's* Signature		Date
Friable;	Non-friable; Both	% friable	% nonfriable	·

### AZARDOUS SPECIAL WAS TELE ASBESTOS MANUFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I II and III.

No. 005166

in I	GENERATOR (Ge	nerator completes all of S	<u>,"我们就是一个,""我们的,我们就是一个,</u>	
nerator Name:	BEATRICE COMPANY, CT CORP.	_ b. Generating Location: BEATRICE FOODS, INC.		
ddress:	208 LA SALLE STREET	d. Address:	248 REAR SALEM STR	
	CHICAGO, IL 60604	Address.	WOBURN, MA 01801	
one No.: her of the genera	, (617) 749-5050 ating facility differs from the generator, provide:	f. Phone No.:	(617) 749-5050	
ner's Name:		h. Owner's Phone No.		
WASTE CODE	MA / 855 / 940915 / 208977			IYPE
cription of Waste:		k. Quantity		I - METAL DRUM - PLASTIC DRUM - BAG
		<del>-</del>	BA	- 6 MIL. PLASTIC BA
by certify that the	he above named material does not contain free liquid as defi ste as defined by 40 CFR Part 261 or ant applicable state law	ned by 40 CFR Part 260.10	or any applicable state law is	- TRÜCK - OTHER
in proper cond	ste as defined by 40 CFR Part 261 or ant applicable state law dition for transportation according to applicable regulations.	v, has been properly descril	bed, classified and packaged,	<u>UNITS</u> - POUNDS
or Authorized Age	ent Name Helal Les Brotize	1 Tul	-10-94 M	- YARDS - CUBIC METERS
	Joignature		Omprient Date O	- CUBIC YARDS - OTHER
ction II	TRANSPORTER (Generator of	completes a-d; Transport	er I complete e-g)	
e: _		NSPORTER I  d. Phone No.:	(508) 649-7564	Truck No.: 12
ess: _	385 DUNSTABLE ROAD	_ f. Vehicle Licens	se No./State: 173211 M / Imment of Receipt of Materials.	Huck No.: 7.A
-	TYNGSBORO, MA 01879	Acknowledger	ment of Receipt of Materials.	
r Name/Title:	Print/Type	9. War	5 x bucound	1-10-9
tion III	DESTINATION (Generator con	Drivér Signature		Shipment Date
lame:	BFI MAHONING LANDFILL	•	(216) 536-8013	
cal Address:	8100 S. STATE LINE ROAD	c. Phone No.:	PO BOX 5240	
	LOWELL VILLE, OH 44436	d. Mailing Address:	POLAND; OH 44514	· ·
pancy Indication	n Space:	• 		
y certify that the	e above named has been accepted and to the best of my knowle	edge the foregoing is true and	d accurate.	
	Paul	htt		a Cul
Authorized Agen	Signature Signature		5'0	Receipt Date
tion IV	ASBESTOS (Generator com	pletes a-d,f,g, Operator* o	Completes e)	
or's* Name:				
r's* Address:		b. Operator's* Phone No.: _		
landling Instructions	s and additional information:			•
OR'S CERTIFIC	CATION: I hereby declare that the content of it			· · · · · ·
ind labeled, and	CATION: I hereby declare that the contents of this consignment I are in all respects in proper condition for transport by highway a	are fully and accurately desc according to applicable intern	ribed above by proper shipping name and national and governmental regulations.	are classified, packed
Name & Title:	tt/Type			
Address		Operator's* Signature		Date
sible Agency;				
sible Agency: Friable;	Non-friable; Both			· .

tor refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

#### AHAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

No. 005167

	If waste is <u>NOT</u> asbestos was	ste, complete only Sections 1	I, II, and III.	<u> </u>
ection I	GENERATOR (Gen	nerator completes all of Se	ection I)	٠
enerator Name:	BEATRICE COMPANY, CT CORP.	b. Generating Location	BEATRICE FOODS, IN	IC.
ddress:	208 LA SALLE STREET	d. Address:	248 REAR SALEM ST	RET
_	CHICAGO, IL 60604		WOBURN, MA 01801	
none No.:	(617) 749-5050	f. Phone No.:	(617) 749-5050	• .
owner of the generatir Owner's Name:	ng facility differs from the generator, provide:	h. Owner's Phone No.:		·
I WASTE CODE	MA / 855 / 940915 / 208977	_		<u>TYPE</u> DM - METAL DRUM
escription of Waste:	SOIL CONTAMINATED WITH PCB'S	k. Quantity l	Inits No TYPE	DP - PLASTIC DRUM B - BAG
	FROM UNKNOWN SOURCE,	<del></del>		BA - 6 MIL. PLASTIC BAG or WRAP T - TRUCK
ot a hazardous waste d is in proper condit Aluça nerator Authórized Ager		w, has been properly describ	or any applicable state law, is bed, classified and packaged,  Shipment Date	O - OTHER <u>UNITS</u> P - POUNDS Y - YARDS M³ - CUBIC METERS Y³ - CUBIC YARDS O - OTHER
ection II	TRANSPORTER (Generator			
Name:	DUITINGOD/UIC (10 HIC)	ANSPORTER I  d. Phone No.:	(508) 649 - 7564	e. Truck No.: 12
ddress:	385 OUNSTABLE ROAD	f. Vehicle Licen: Acknowledge	se No./State: 1732/1 MI ment of Receipt of Materials.	<u> </u>
		- 0	7	
river Name/Title:	Monet to Vancouse	g. Driver Signature	Expuesad	Shipment Date
Section III	. DESTINATION (Generator co		site completes e-f)	
ite Name:	BFI MAHONING LANDFILL	c. Phone No.:	(216) 536-8013	
Physical Address:	8100 S. STATE LINE ROAD	d. Mailing Address:	PO BOX 5240	
	EOWELLVILLE OH 44436	:	PCLAND, OH 44514	
Discrepancy Indication I hereby certify that the	n Space: e above named has been accepted and to the best of my kno	wledge the foregoing is true a	nd accurate.	
De.	$\mathcal{L}^{-1}$	41 × 1		
ame of Authorized Agen	tt Signature		<del>``</del>	Receipt Date
ection IV	ASBESTQ Generator co		* completes e)	
Operator's* Name:	<u> </u>	b. Operator's* Phone No.	:	· .
perator's* Address:		<u> </u>	<u>-</u>	
- Special Handling Instruction	ns and additional information:		•	
ERATOR'S CERTIFI ked, and labeled, and	ICATION: I hereby declare that the contents of this consignmed are in all respects in proper condition for transport by highways to be a condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for transport by highways the condition for the condition for transport by highways the condition for transport by highways the condition for the conditi	ent are fully and accurately de ay according to applicable into	scribed above by proper shipping nan ernational and governmental regulation	ne and are classified, packed ns.
perator's* Name & Title:	nt/Type	Operator's* Signature		Date
rne and Address Responsible Agency:		Sparation Organical		
Friable;	Non-friable; Both	% friable	% nonfriable	
Name of the same o			alitaliy Masakking Eliabatha	าก เมื่อไป เลืองสือคร้อง และ เกมา์ เมืองเลืองสือคร้อง และ

## POUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

No. 005168

CHICAGO, IL 60004  (617) 749–5050  f. Phone No.:  (617) 749–5050  f. Phone No.:  (617) 749–5050  f. Phone No.:  (617) 749–5050  f. Phone No.:  (617) 749–5050  I. Phone No.:  ASTECODE  MA / 855 / 940915 / 208977  SOIL CONTAMINATED WITH POB'S k. Quantity Units No. TYPE  FROM UNKNOWN SOURCE  FROM UNKNOWN SOURCE  TRANSPORTER (Senerator completes a-d; Transporter Lompites e-g)  From the Author of Phone No.:  TEMES A Manual (And The Mark)  FROM UNKNOWN SOURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO DISTRICT  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TRANSPORTER (Generator completes a-d; Transporter Lompites e-g)  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA 01879  FROM UNKNOWN GURCE  TYNGSBORO MA	k skississis			complete only Sections I		
alon Name  208 LA SALLE STREET  d. Address:  CHICAGO, it. 606004  (617) 749—5050  1. Phone No.:  (617) 749—5050  1. Phone No.:  (617) 749—5050  1. Phone No.:  MA, 855 / 540915 / 206977  SOIL CONTAMINATED WITH PCB'S  COntainers  SOIL CONTAMINATED WITH PCB'S  Countily  Very certify that the above named material does not contain fee liquid as defined by 40 CFR part 250.10 or any applicable state law, is proper consolidation according to applicable state law, and seen properly described, classified and pockaged, where the proper consolidation according to applicable state law, and seen properly described, classified and pockaged, where the proper consolidation according to applicable state law, and seen properly described, classified and pockaged, where the proper consolidation according to applicable state law, and seen properly described, classified and pockaged, where the proper consolidation applicable regulations.  Figure Committee of the proper consolidation according to applicable state law, and seen properly described, classified and pockaged, where the proper consolidation applicable regulations.  Figure Committee of the proper consolidation applicable regulations.  Figure Committee of the properly described classified and pockaged.  Figure Committee of the properly described classified and pockaged.  Figure Committee of the properly described classified and pockaged.  Figure Committee of the properly described classified and pockaged.  Figure Committee of the properly described committee of the properly described classified and pockaged.  Figure Committee of the properly described classified and pockaged.  Figure Committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described committee of the properly described con		GENER	ATOR (General	tor completes all of Se	ection I)	DO INO
208 LA SALLE STREET CHICAGO, IL 60604 CHICAGO, I	- Lander	BEATRICE COMPANY, CT	CORP.	b. Generating Location		
CHICAGO, IL 60604  (617) 749–5050  (617) 749–5050  1 Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (618) Phone No.: (619) Phone No.: (619) Phone No.: (619) Phone No.: (619) Phone No.: (619) Phone N					248 REAR SALE	
TOTAL PROPERTY ASSESTED SOLVER	ess: —					
as the generaling facility differs from the generator, provide:  **re Numers**  **ANTECODE**  **MA   855   940915   208977  **SOIL CONTAMINATED WITH PCB'S   Quantity   Units   No.   TYPE    **TYPE   TYPE	<del>-</del>	(617) 749-5050	4	f. Phone No.:	(617) 749-5050	
ASTECODE  MA 855 / 94091 5 / 208977  ASTECODE  MA 855 / 94091 5 / 208977  ASTECODE  FROM UNKNOWN SCURCE  Verify that the above named material does not contain free liquid as defined by 40 CFR Pert 250.10 or any applicable state law, is proper condition for transportation according to applicable state law, is proper condition for transportation according to applicable state law, has been properly described, dassified and psc-kaged.  FROM UNKNOWN SCURCE  Verify that the above named material does not contain free liquid as defined by 40 CFR Pert 250.10 or any applicable state law, is proper condition for transportation according to applicable state law, is proper condition for transportation according to applicable replactions.  FROM UNKNOWN SCURCE  Verify that the above named material does not contain free liquid as defined by 40 CFR Pert 250.10 or any applicable state law, is proper condition for transporter local psecuration.  FROM UNKNOWN SCURCE  Verify that the above named material does not contain free liquid as defined by 40 CFR Pert 250.10 or any applicable state law, is proper condition.  FROM UNKNOWN SCURCE  VARIOUS STATE LINE ROAD  Althorized Agent Science  TYNOSBORO MA 01879  ASBESTOS (Generator completes a-d; destination site completes a-d)  FROM Science Agent Science  Telephony Indication Space	ng facility differs from the generator, provide	e:	.a .		TVDE	
## SOIL CONTAMINATED WITH PCB'S & Quantity Units No. TYPE FROM UNKNOWN SCURCE  FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE  FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE FROM UNKNOWN SCURCE IN COMMERCIAL SCURCE IN COMMER		MA / 855 / 940915 / 20897		•		DM - METAL DRUM
TRANSPORTER (Generator completes a-d, france)  TYPE AND THE HOLD STATE LINE FOAD  TYPE AND THE HOLD STATE LINE FOAD  TO HORN Spinaline  Security that the above named material does not contain free liquid as defined by 40 CFR Part 280 10 or any applicable state law, is a been properly described, classified and packaged, in proper condition for transportation according to applicable estate law, has been properly described, classified and packaged, in proper condition for transportation according to applicable state law, is a proper properly described, classified and packaged, and applicable state law, is a proper condition to transport of the proper described, classified and packaged, and above the proper described state law, is a proper condition to transport of the proper described, classified and packaged, and according to applicable state law, is a proper condition to transport of the proper described, classified and packaged, and a believe to the proper described and to the best of my knowledge the foregoing is true and accourate.  TRANSPORTER (Generator completes a-d, fransporter 1 completes e-f)  TRANSPORTER (Generator completes a-d, fransporter 1 completes e-f)  TRANSPORTER (Generator completes a-d, fransporter 1 completes e-f)  TYPHOSE OF A DATE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF A DATE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper No.: 210 Date Spinaline)  TYPHOSE OF TRANSPORTER (Proper	ļ	SOIL CONTAMINATED W	TH PCB'S	k. Quantity	Units No. TY	RAG
y certify that the above named material does not contain free liquid as defined by 40 CFR Part 280.10 or any applicable state law, is becardous waste as defined by 40 CFR Part 280.10 or any applicable state law, is in proper condition for transportation coording to explicable state law, has been properly described, classified and packaged, in proper condition for transportation according to explicable regulation for transportation according to explicable regulation for transportation for transportation according to explicable regulation for transportance according to explicable regulation for transportation according to explicable regulation for transportation for transportation according to explicable state law, has been properly described, classified and packaged, in the proper of the proper of the proper of the property of the prop	ption of Waste:					or WRAP  T - TRUCK
Signature   Sign		above named material does not contain f	free liquid as define plicable state law, I ble regulations.		•	y, is <u>UNITS</u> ged, P - POUNDS  Y - YARDS
TRANSPORTER (Generator completes a-d; Transporter Lomplete e-g)  TRANSPORTER (Generator completes a-d; Transporter Lomplete e-g)  TRANSPORTER (Generator completes a-d; Transporter Lomplete e-g)  TRANSPORTER (Generator completes a-d; Transporter Lomplete e-g)  TVNGSBORO MA 01379  TVNGSB	Tomes R	Greacen (Acont for Bedrice)	James 1	1 freaces	Shipment D	77 Y <sup>3</sup> - CUBIC YARDS Pate O - OTHER
BFI TYNGSBORD DISTRICT TRANSPORTER! d. Phone No.: 1508) 643-7564 e. Truck No.: 122  1	or Authorized Age	nt Name	<i></i>		· .	
TYNGSBORO MA 01379  er. Name/Title:	ction II	TRANSPORTI			rter I complete e-g)	A
TYNGSBORO MA 01379  INAMONISTABLE ROAD  TYNGSBORO MA 01379  INAMONISTABLE ROAD  TYNGSBORO MA 01379  INAMONISTABLE ROAD  INAMONISTABLE ROAD  INAMONISTABLE ROAD  SIDENTINATION (Generator completes a-d; destination site completes e-f)  REFINATION (Generator completes a-d; destination site completes e-f)  COMPLETABLE ROAD  INAMONISTABLE ROAD  INAMO		BFI TYNGSBORO DISTR	ICT TRAN	. d. Phone No.:		
er NamerTitle: Date: Find/ype  Phitty/ype  DESTINATION (Generator completes a-d; destination site completes e-f)  Shipment Date  Shipment Date  Shipment Date  Shipment Date  DESTINATION (Generator completes a-d; destination site completes e-f)  (216) 536—8013  PO BOX 5240  POLAND, OH 44514  DESTINATION (The Print of the Print of		385 DUNSTABLE ROAD		f. Vehicle Lice	ense No./State: 1/27.	) M M als.
The state of Authorized Agent    Secretor's Name:  State of Authorized Agent    Secretor's Name:  Secretor's Name:  Secretor's Name:  Secretor's Name:  Secretor's Name:  Signature    Sign		TYNGSBORO, MA 01879	) <u> </u>	- ( Acki lowledg		·
DESTINATION (Generator completes a-d; destination site completes ad)  Name:  BEL MAHONING LANDFILL c. Phone No.:  8100 S. STATE LINE ROAD LOWELLVILLE, OH 44436  Corepancy Indication Space: reby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.  POLAND, OH 44514  Corepancy Indication Space: reby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.  Signature  Receipt Date  Receipt Date  Receipt Date  The control of this consignment are fully and accurately described above by proper shipping name and are classified, paced, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  The print/Typ	or Namo/Title:	Daniel F Danca	<u>056</u>	g. Whatelenshire	2 X buca	
INAME:  BEL MAHONING LANDFILL  3100 S. STATE LINE ROAD  LOWELLVILLE, OH 44436  Crepancy Indication Space: reby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.  BEL MAHONING LANDFILL  C. Phone No.:  PO BOX 5240  POLAND, OH 44514  POLAND, OH 44514  Receipt Date  Receipt Date  Receipt Date  Receipt Date  Receipt Date  Print/Type  Receipt Carrier of this consignment are fully and accurately described above by proper shipping name and are classified, paced, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  Print/Type  Print/Type  Date  Print/Type  Print/Type  Print/Type  Date  Print/Type  Print/Type  Date  Print/Type  Print/Type  Print/Type  Date  Print/Type  Print/Type  Print/Type  Print/Type  Print/Type  Polaton No.:  Print/Type  Poperator's Signature  Date  Print/Type  Print/Type  Print/Type  Print/Type  Print/Type  Print/Type  Print/Type  Poperator's Signature  Print/Type  5	Print/Type	N (Generator con		n site completes e-f)		
RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, paced, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.    Non-triable;   Non-triable;   Both   % friable   % nonfriable   % nonfria	ction III				(216) 536-801	3
LOWELLVILLE, OH 44436  LOWELLVILLE, OH 44436  Corepancy Indication Space: The property certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.  Signature  ASBESTOS (Generator completes a-d.f.g. Operator* completes e)  Poll And in the special Date  ASBESTOS (Generator completes a-d.f.g. Operator* completes e)  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And in the special Date  Poll And Interval Date  Poll And Inter	Name: _			•		
crepancy Indication Space reby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate.  Be of Authorized Agent  Completes a d.f.g. Operator's completes completes a d.f.g. Operator's completes completes completes a d.f.g. Operator's Phone No.:  Cotal Handling Instructions and additional information:  RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, paced, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Coperator's * Signature  Date  Print/Type  Determine Address Responsible Agency:  Friable;  Non-friable;  Both  % friable  % nonfriable	/sical Address: _			G. Mailing Addres	POLAND, OH	44514
Receipt Date  Signature  ASBESTOS (Generator completes a-d,f,g, Operator* completes e)  Perator's* Name:  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  Th	-	1		<del></del> منت المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص المنتخاص 		
Receipt Date  Signature  ASBESTOS (Generator completes a-d,f,g, Operator* completes e)  Perator's* Name:  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  The and Address in proper condition for transport by highway according to applicable international and governmental regulations.  The print/Type  Th	crepancy Indicati	ion Space:	the best of my know	ledge the foregoing is true	e and accurate.	1 11
ASBESTOS (Generator completes a-d,f,g, Operator* completes e)  Perator's* Name:  Perator's* Address:  Print/Type  The and Address  Print/Type  The and Address  Print/Type  The and Address  Print/Type  The and Address  The and A		RETURN	lel	1) and		4 9 9 7
ASBESTOS (Generator completes a-d.f.g, Operator* completes e)  Perator's* Name:  Perator's* Address:  RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  Thint/Type  The and Address:  Date  Print/Type  Thint/Type  Th	e of Authorized Ag	gent	Signature	()	<i>大</i>	Heceipt Date
perator's* Name:  erator's* Name:  b. Operator's* Phone No.:  erator's* Address:  coal Handling Instructions and additional information:  RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, pace and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Evator's Name & Title:  Print/Type  Date  The and Address  Responsible Agency:  Friable;  Non-friable;  Both  % friable  % nonfriable	·	_	S (Generator co	mpletes a-d,f,g, Opera	tor* completes e)	
erator's* Name: erator's* Address: erator's* Address: erator's* Address: erator's* Address: erator's* Address: exator's* Address:  RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.  Print/Type  Toperator's* Signature  Date  Print/Type  The and Address Responsible Agency:  Friable;  Non-friable;  Both  % friable  % nonfriable	ection IV	доло	,	98 (	•	( )
RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.    Print/Type	perator's* Name:			Operators Friorie		
RATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper snipping name and are classified, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations.    Print/Type	erator's* Address:	*		ž		
rator's* Name & Title:  Print/Type  me and Address Responsible Agency:  Friable;  Non-friable;  Both  Operator's* Signature  Operator's* Signature  Agency:  Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature				and and any match	v described above by proper	shipping name and are classified, pac
Operator's* Name & Title: Print/Type  me and Address Responsible Agency: Friable; Non-friable; Both Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature  Operator's* Signature	RATOR'S CERT	<b>FIFICATION:</b> I hereby declare that the content and are in all respects in proper condition to	nts of this consignment or transport by highwa	ent are fully and accurately ay according to applicable	e international and governme	ntal regulations.
Print/Type me and Address Responsible Agency: Non-friable; 8 friable % nonfriable	** 	and an one of posts of posts of the posts of		•		
Responsible Agency: % nonfriable % nonfriable % nonfriable % nonfriable		Print/Type		Operator si signa		
Friable; — Non-friable; — Both — — — — — — — — — — — — — — — — — — —	me and Address Responsible Agency		<u> </u>		0/	riahle
controls or supervises the facility being demolished or renovated, or the demolition or renovation operation, or			:			
		1.11	controls or supervi	ses the facility being dem	nolished or renovated, or the	demolition or renovation operation, or i

If waste is asbestos waste, complete Sections I, II, III and IV.

No. 005169

	If waste is NOT asbestos waste	e, complete only Sections	i, II, and III.
ection I	GENERATOR (Gene	rator completes all of Se	ection I)
enerator Name:	BEATRICE COMPANY, CT CORP.	<ul> <li>b. Generating Location</li> </ul>	BEATRICE FOODS, INC.
ddress:	208 LA SALLE STREET	_ d. Address:	248 REAR SALEM STREET
puress	CHIÇAGO, IL 60604	<del>-</del>	WOBURN, MA 01801
hone No.:	(617) 749-5050	f. Phone No.:	(617) 749-5050
mer of the generation	ng facility differs from the generator, provide:	h. Owner's Phone No.:	
WASTE CODE	MA / 855 / 940915 / 208977		TYPE Containers DM - METAL DRUM
scription of Waste:	SOIL CONTAMINATED WITH PCB'S	_ k. Quantity U	Units No. TYPE B - BAG BLASTIC DRUM
Scription of Waste.	FROM UNKNOWN SOURCE		BA - 6 MIL. PLASTIC BAG or WRAP T - TRUCK
a hazardous waste		ned by 40 CFR Part 260.10, has been properly described.	or any applicable state law, is
ection II	TRANSPORTER (Generator of	completes a-d; Transpor	ter I complete e-g)
	BFI TYNGSBORO DISTRICT TRA	NSPORTER I d. Phone No.:	(506) 649—7564 e. Truck No.: 422
ame:	385 DUNSTABLE ROAD		se No./State: 40.44/14/
ddress:	TYNGSBORO, MA 0) 879	Acknowledge	ment of Receipt of Materials.
river Name/Title:	DAN DANCKI/SC Print/Type	g. Driver Signature	Annical States
ection III	. DESTINATION (Generator cor	1 0.	site completes e-f)
<u> </u>	BFI MAHONING LANDFILL	_ c. Phone No.:	(216) 536-8013
ite Name:	8100 S. STATE LINE ROAD	_ d. Mailing Address	PO BOX 5240
hysical Address:	LOWELLVILLE, OH 44436	_ d. Maining Addition	POLAND, OH 44514
iscrepancy Indicatio	on Space:		
nereby certify that th	e above named has been accepted and to the best of my know	rledge the foregoing is true a	and accurate.
	Haul	met ?	04-1194
me of Authorized Age	nt Signature		Receipt Date
Section IV	ASEESTOS (Generator con	npletes a-d,f,g, Operato	completes e)
perator's* Name:		_ b. Operator's* Phone No	.:
perators* Address:			
(	ons and additional information:		
FRATOR'S CERTIF		ent are fully and accurately d by according to applicable in	escribed above by proper shipping name and are classified, packe ternational and governmental regulations.
perator's* Name & Title: P	rint/Type	Operator's* Signature	Date
me and Address Responsible Agency:			
Friable;	Non-friable; Both _	% friable	% nonfriable
All the second	alicationes includes and a constitution of		hed or renovated, or the demolition or renovation operation, or bo



## NON:HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

No. 005171

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II, and III.

ASSESSED OF THE PARTY OF THE PA	If waste is NOT	asbestos waste,	complete only Sections	s I, II, and	ш.		HE TO HOLD THE HE
ection I	GENERA	TOR (Genera	tor completes all of S				
	BEATRICE CONTANY, CT	CORP	b. Generating Location	BEA	THICE F	CODS.	INC:
enerator Name: 	208 LA SALLE STREET				REARS	ALTHS	WEI
ddress:	CHICAGO, IL 60004		d. Address:	Vv()	WHM, N	MA OHAD	
· . <del>-</del>	(617) 749-5050			(617	) 749-E	(050)	
none No.: mer of the generati	ing facility differs from the generator, provide:	<del></del>	f. Phone No.:		•		
wner's Name:	MA / 855 / 940915 / 208977		h. Owner's Phone No	o.:			IYPE
I WASTE CODE _	SOIL CONTAMINATED VIT				Conta		DM - METAL DRUM DP - PLASTIC DRUM
scription of Waste:	FROM LINKNOWN SCHING		k. Quantity	Units	No.	TYPE	B - BAG BA - 6 MIL PLASTIC BAC
							or WRAP T - TRUCK O - OTHER
reby certify that the	e above named material does not contain free e as defined by 40 CFR Part 261 or ant applic	liquid as defined	d by 40 CFR Part 260.1	0 or any a	pplicable sta	ite law, is ackaged.	UNITS
d is in proper condi	ition for transportation according to applicable	regulations.	W /	mbour olde			P - POUNDS Y - YARDS
	(Aport 1 ( Water )	Signature		<del></del>		nent Date	M <sup>3</sup> - CUBIC METERS Y <sup>3</sup> - CUBIC YARDS
erator Authorized Age	ent Name	Signature			Onpo	Cit Dute	O - OTHER
ection II	TRANSPORTER	(Generator co	mpletes a-d; Transpo				
ama:	BELTYNGSBORO DISTHIC	- TRANS	SPORTER I d. Phone No.:	, (508 :	3) 649-1	7564	e. Truck No.:
ame:	385 DUNSTABLE ROAD	••	f. Vehicle Lice		tate:		·
ddress:	TYNGSBORO, MA 01370	****	Acknowledg	gement of	Receipt of M	laterials.	
			_				- 1999)
river Name/Title:	Print/Type		g. Driver Signature				Shipment Date
ection III	. DESTINATION (	Generator com	oletes a-d; destination				
ite Name: _	रेले र रिप्राची एक सीचित्र (१,८५४) में है		c. Phone No.:	•	्र स्टब्स्टर इ.स.च्या		
hysical Address:_	81005 STATE LIVE BOAC	,	d. Mailing Addres	s:	BOX 624		
ilysical Addicss	LEWILL WITE CHARACE		<u> </u>	Fill	ाष्ट्रा ()	Hanna	
_ 							
iscrepancy Indication hereby certify that the	on Space:	est of my knowled	dge the foregoing is true	and accur	ate.	٠.	
me of Authorized Age	ent	Signature			·		Receipt Date
cotion IV	ASPESTOS /	Canavatar com	oletes a-d,f,g, Operate	or* compl	etes e)		
Section IV	ASBESTOS (	Generator Comp	netes a-u,i,g, Operati	or comp	eles e)		, was the
perator's* Name: _		·	b. Operator's* Phone N	No.:			
perator's* Address:_	· ·						·
pecial Handling Instructi	ons and additional information:						
ERATOR'S CERTI ked, and labeled, a	FICATION: I hereby declare that the contents of and are in all respects in proper condition for trans	this consignment sport by highway	are fully and accurately according to applicable i	described international	above by pro al and govern	per shipping mental regula	name and are classified, pack ations.
perator's* Name & Title: _			~		·		Date
F arne and Address Responsible Agency: _	hint/Type		Operator's* Signatu	ıre			Date
Friable;	Non-friable; Both		% friable		%n	onfriable	

perator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or bot



## NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005172

	II Waste to 1707 associative	totol combiners and committee	The state of the s	and the second s
ection I	GENERATOR (Ge	nerator completes all of Se	ection I)	
enerator Name:	BEATRICE COMPANY, CT CORP.	b. Generating Location	BEATRICE FOODS, IN	ic .
dress:	208 LA SAILE STREET	d. Address:	248 REAR SALEM STI	
uless	CHICAGO, IL 60604		<b>WOBURN, MA 01801</b>	· · · · · · · · · · · · · · · · · · ·
one No.:	(617) 749-5050	f. Phone No.:	(617) 749-5050	
ner of the generati wner's Name:	ting facility differs from the generator, provide:	h. Owner's Phone No.:		
WASTE CODE _	MA / 855 / 940915 / 208977		Containers	<u>IYPE</u> DM - METAL DRUM
cription of Waste:	SOIL CONTAMINATED WITH PCB	k. Quantity	Inits No TYPE	DP - PLASTIC DRUM B - BAG
Chipson of Wasio.	FROM UNKNOWN SOURCE			BA - 6 MIL. PLASTIC BAG or WRAP T - TRUCK
eby certify that th	ne above named material does not contain free liquid as de	efined by 40 CFR Part 260.10	or any applicable state law, is	O - OTHER
a hazardous wast	te as defined by 40 CFR Part 261 or ant applicable state la lition to transportation according to applicable regulations	aw, has been properly descri	ped, classified and packaged,	<u>UNITS</u> P - POUNDS Y - YARDS
A Tax	1 (Aight feating) (at		4-22.94	M³ - CUBIO METERS Y³ - CUBIC YARDS
rator Authorized Age	edt Name Signature		Shipment Date	O - OTHER
ection II	TRANSPORTER (Generato	r completes a-d; Transpor	ter I complete e-g)	
me:	BFI TYNGSBORO DISTRICT - TE	RANSPORTER I  d. Phone No.:	(508) 649-7564	e. Truck No.: 12
ame: ddress:	385 DUNSTABLE ROAD	f. Vehicle Licen	se No /State: 16733 M.	<u>.</u>
Juless	TYNGSBORO, MA 01879	Acknowledge	ment of Receipt of Materials.	a New York
۔  	The Day CHUCK	7	haray o 33	4/30
<u> </u>	7) C.C. SHARING Print/Type			Shipment Date
ection III	DESTINATION (Generator of BFI MAHONING LANDFILL	completes a-d; destination	(216) 536-8013	
te Name: _		c. Phone No.:	PO BOX 5240	
nysical Address:_	8100 S. STATELINE ROAD	d. Mailing Address	POLAND, OH 44514	124
_	LOWELLVILLE, OH 44436	<del></del>	rumu, un <del>u</del> nus	
screpancy Indication	on Space:	owledge the foregoing is true a	and accurate	
tereby certily triat ti	the above framed has been accepted and to the best of my Ni	Definition of the control of the con	and decoration.	161
ne of Authorized Age	ent Sidhature	Strelf	<u> </u>	Receipt Date
	-			· · · · · ·
ection IV	ASBESTOS (Generator o	completes a-d,f,g, Operator	* completes e)	
perator's* Name: _		b. Operator's* Phone No	:	
perator's* Address:_				
ecial Handling Instructi	ions and additional information:			
FRATOR'S CERTI	FICATION: I bereby declare that the contents of this consign	ment are fully and accurately d	escribed above by proper shipping na	me and are classified, pack
ked, and labeled, a	and are in all respects in proper condition for transport by high	way according to applicable in	temational and governmental regulation	ons.
erators* Name & Title: F	Print/Type	Operator's* Signature	) :	Date
me and Address Responsible Agency: _				
Friable;	Non-friable; Both	% friable	% nonfriable	* *
, , , , , , , , , , , , , , , , ,	TOT HOUSE,			

260-720B-CON

#### RDOUS SPECIAL WASTE & ASBESTOS MANIFES No. 005173 If waste is asbestos waste, complete Sections I, II, III and IV. If waste is NOT asbestos waste, complete only Sections L. II. and III. **GENERATOR** (Generator completes all of Section I) SEATRICE COMPANY BEATHICE FOODS INC. b. Generating Location: 208 LA SALLE STREET 248 REAR SALEM STREET d. Address: CHICAGO, IL 60604 WOBURN, MAIQ(801 (617) 749-5050 *(*617) 749–5050 f. Phone No.: generating facility differs from the generator, provide: h. Owner's Phone No.: MA / 855 / 940915 / 208977 **TYPE** TE CODE - METAL DRUM Containers DP - PLASTIC DRUM SOIL CONTAMINATED WITH POB'S - BAG otion of Waste k. Quantity - 6 MIL. PLASTIC BAG FROM UNKNOWN-SOURC or WRAP - TRUCK **OTHER** eby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is <u>UNITS</u> hazardous waste as defined by 40 CFR Part 261 or ant applicable state law, has been properly described, classified and packaged, **POUNDS** nd is in proper condition for transportation according to applicable regulations. YARDS - CUBIC METERS - CUBIC YARDS Signature OTHER ection II TRANSPORTER (Generator completes a-d; Transporter I complete e-g) - TRANSPORTER I (508) 649-7564 BFI TYNGSBORO DISTRICT d. Phone No.: e. Truck No.: 385 DUNSTABLE ROAD f. Vehicle License No./State: 173211 Acknowledgement of Receipt of Materials. ddress: TYNGSBORO, MA 01879 ection III **DESTINATION** (Generator completes a-d; destination site completes e-f) BH MAHONING LANUFILL (210) 530-<del>6013</del> ite Name: c. Phone No.: \_\_\_ 8100 S. STATE LINE ROAD PO BOX 5240 sical Address: d. Mailing Address: OH 44436 epancy Indication Space: reby certify that the above named has been accepted and to the best of my knowledge the foregoing is true and accurate. of Authorized Agent Signature ection IV ASBESTOS (Generator completes a-d,f,g, Operator\* completes e) ators\* Name: rator's\* Address: Handling Instructions and additional information: ERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, d, and level and are in all respects in proper condition for transport by highway according to applicable international and governmental regulations. Name & Title: Print/Type e and Address

erator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

% friable

% nonfriable

Both

ible Agency Friable:

Non-friable:



### NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

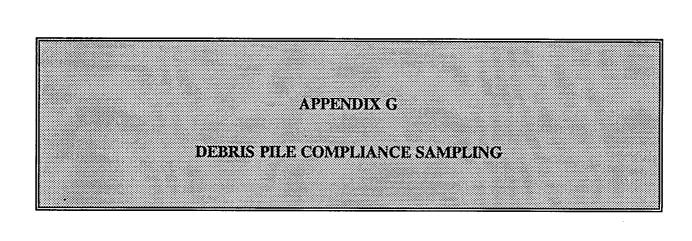
If waste is asbestos waste, complete Sections I, II, III and IV.

If waste is NOT asbestos waste, complete only Sections I, II, and III.

No. 005174

The second of	If waste is <u>NOT</u> asbestos waste	e, complete only Sections I	, II, and III.
ion I	GENERATOR (Gener	rator completes all of Se	ection I)
erator Name:	BEATRICE COMPANY, CT CORP.	b. Generating Location	BEATRICE FOODS, INC.
•	208 LA SALLE STREET	d. Address:	248 REAR SALEM STREET
ss: <u> </u>	CHICAGO, IL 60604	<u> ,</u>	WOBURN, MA 01891
- <del></del>	(617) 7495050	f. Phone No.:	(617) 749-5050
	ng facility differs from the generator, provide:	h. Owner's Phone No.:	
er's Name:	MA / 855 / 940915 / 208977	_ 11. Owner 31 Hone No	TYPE Containers DM - METAL DRUM
ASTE CODE	SOIL CONTAMINATED WITH PCB'S	- _ k. Quantity l	DP - PLASTIC DRUM Inite No TYPE B - BAG
ion of Waste:	FROM UNKNOWN SOURCE	_ K. Quantity C	BA - 6 MIL. PLASTIC BAG or WRAP
115 41- 4 41-	e above named material does not contain free liquid as defin		or envigable state law is
zardous wast	e as defined by 40 CFR Part 261 or ant applicable state law,	has been properly describ	or any applicable state law, is uNITS bed, classified and packaged,
_ i i	tion for transportation according to applicable regulations.		Y - YARDS M³ - CUBIC METERS
Authorized Age	nt Name Signature	at the	Shipment Date Y <sup>3</sup> - CUBIC YARDS O - OTHER
etion II	TRANSPORTER (Generator c	completes and Transport	ter I complete e-a)
		NSPORTER I	COOL CAD TECA
e: _	385 DUNSTABLE ROAD	_ d. Phone No.:	e. Huck No., J. E.
ess: _		_ f. Vehicle Licen Acknowledge	se No./State: MAN 1752!! ement of Receipt of Materials.
	TYNGSBORO, MA 01879	$ \bigcirc$ $\cdot$	
er Name/Title:	Print/Type	g. Driver Signature	Shipment Date
tion III	. <b>DESTINATION</b> (Generator con	npletes a-d; destination	
Namo:	BFI MAHONING LANDFILL	_ c. Phone No.:	(216) 5362-8013
lame: cal Address:_	8100 S. STATE LINE ROAD	_ d. Mailing Address:	PO BOX 5240
ai Address.	LOWELLVILLE, OH 44436		POLAND, OH 44514
pancy Indication	on Socoo	_	
eby certify that the	ne above named has been accepted and to the best of my know	ledge the foregoing is true a	nd accurate.
	$\mathcal{O}_{i}$	RA-	11/20197
Authorized Age	ent Signature Signature	2	Receipt Date
ction IV	ASBESTOS (Generator con	mpletes a-d,f,g, Operatoi	r* completes e)
	~	_ b. Operator's* Phone No	
ator's* Name: _		_ b. Operators * Priorie No	
etor's* Address:_			
_ •	ons and additional information:		The last the second sec
ATOR'S CERTI and labeled, a	FICATION: I hereby declare that the contents of this consignme nd are in all respects in proper condition for transport by highway	nt are fully and accurately de y according to applicable in	escribed above by proper shipping name and are classified, packed temational and governmental regulations.
or's* Name & Title: _		· · · · · · · · · · · · · · · · · · ·	
end Address	rint/Type	Operator's* Signature	Date
onsible Agency: _		<u> </u>	
Friable;	Non-friable; Both _	% friable	% nonfriable
	•	*	

tor refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.



#### Debris Pile (mg/Kg) Compliance Sample Summary

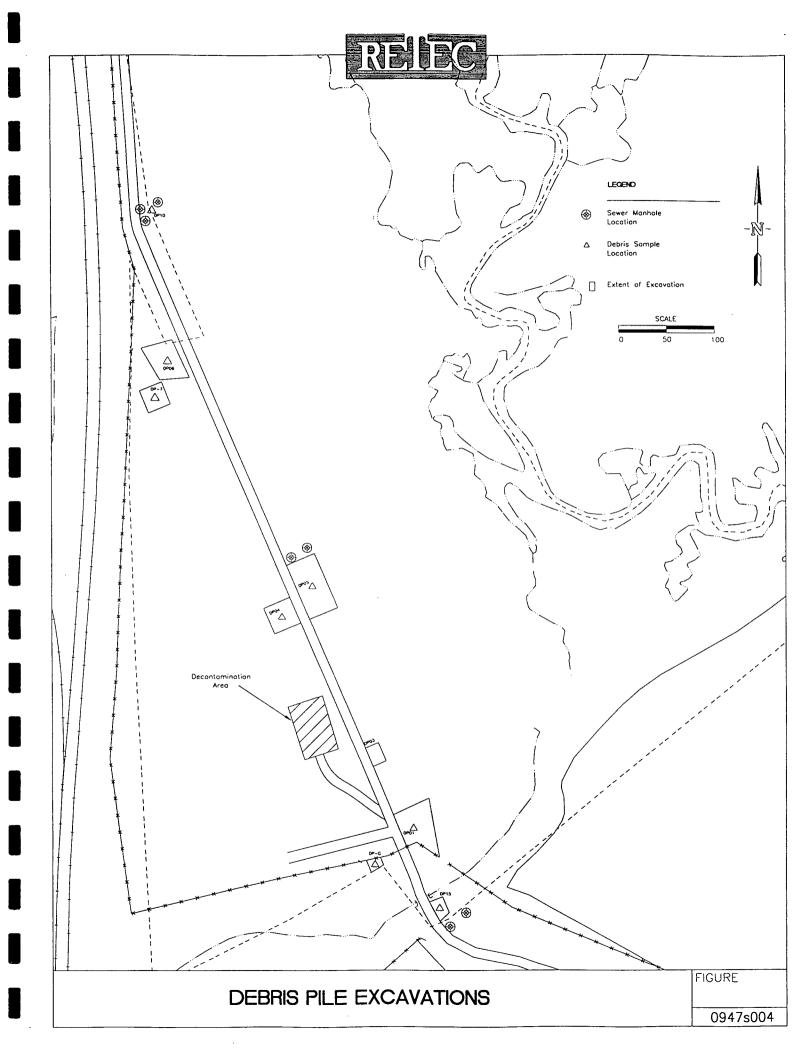
	Target	DP-1	DP-3	DP-5	DP-5	DP-6	DP-7	DP-7
Compound	Concentration	10/05/94	10/05/94	10/05/94	11/15/94	10/05/94	10/05/94	11/15/94
Lead	640	37.5	45.1	84.3				
Chlordane	6.14	0.181	0.053	34.67	3.899	0.004	0.041_	0.005
4, 4 - DDT	23,5	0.008	0.012	0.874	0.208	0.001	0.005	0.005
cPAHs	0.69	0.280	0.252	0.252		0.266	0.986	0.294
PCBs	1.04	0.637	0.075	329.2	0.318	0.291	1.788	0.369
STA	rus	pass	pass	fail	pass	pass	fail	pass

	Target	DP-10	DP-15	DP-15	DP-15	DP-G	DP-G
Compound	Concentration	10/05/94	10/05/94	11/15/94	12/15/94	10/05/94	11/15/94
Lead	640		174			130	
Chlordane	6.14	0.139	0.800	3.111		0.008	
4, 4 - DDT	23.5	0.063	0.305	0.854		0.018	
cPAHs	0.69	0.150	0.142			2.758	0.037
PCBs	1.04	0.960	6.540	19,141	0.227	0.415	
STA	ATUS	pass	fail	fail	pass	fail	pass

Notes:

All concentrations mg/kg

-- No analysis performed



#### Debris Pile ePAH (ug/Kg) Compliance Sample Summary

ſ	DP-1	DP3			DP-6	DP-7	DP-7	DP-10	DP-CI	DP-G	DP-15
	10/05/94	10/05/94		3/04	10/03/94	10/05/94	11/15/94	10/05/94	10/05/94	11/13/94	10/05/94
	₩₽/KR	w/kg		Ke.	ur/Ke	ug/Kg	og/Kg	eg/Kg	ug/Kg	us/Ke	
Phonol			< 2					1			< 221 U
his Chlorosty peter 2-Chloropherol		ļ.	< 2								< 221 U
3-Dicklorobonzona			< 2								< 221 U
1,4-Dichlorobenseso			< 2	43 U				[			< 221 U
1,2-Dicklorobousons			< 2	43 U			İ				< 221 U
2-Methylphenol			< 2								< 221 U < 221 U
2,2"-oxytis(1-Chloropropass)			< 2								< 221 U < 221 U
(-Mahyiphanol			< 2								< 22! U
N-Nimes di e propylazion Herschlosophesa			< 2								< 221 U
Nitrobentone		l	< 3								< 221 U
loghoron:			< 2	43 U							< 221 U
2-Nitrophenol		l	< 2	43 U							< 221 U
2.4-Dimethylphonol			I	43 U							< 221 U
his(2-Chloroethoxy)methens				43 U							< 221 U
2,4-Dicklorophonol		[	< 2 < 2								< 221 U
1,2,4-Trichlomberzese Neghthelese			< 2						,		< 221 U
4-Chloroentiae				43 UJ							< 221 U
Herachiorobutacione			< 2	43 U							< 221 U
4-Chloro-1-mothylphonol			< 2	43 U	1						< 221 U
2-Mothylmaphthalone			L	43 U						:	< 221 U
Hexachlorocycloportaciene				43 U 43 U			1				< 221 1
2.4,6-Trichlorophenol			1 -	43 U 106 U							< 552 t
2,4,5-Tricklorophenol 2-Chlororophthelose		1	1	43 U							< 221 L
2 Nameraline			< 6		1						< 552 t
Directrylphthalate		l	< 2	43 U							< 221 L
Acerephthylese			< 2	43 U							< 221 U
2,6-Diskertoksend			1	43 U							< 221 U
3-Nieroenibre			1 .	106 U. 143 U	1						< 221 L
Aconsphilane 2,4-Distrophend			1	743 U 106 U							< 552 t
4-Nitrophenol		1		i06 U	ł .	ŀ					< 552 t
Debenzofuran			< 2	43 U						1	< 221 €
7,4-Disensiolsees		i	< 2	43 U	1			İ			< 221 U
Dictrylphthelate			< 2		1	[	]	<u> </u>			< 221 U
4-chlorophosyl-phosylother		1	1	143 U 143 U	,	i					< 221 t
Flacense 4 Narrounding			1	M3 U 906 U	1						< 552 U
4.6-Distro-2-metrylphousi			1	506 U	1		ļ	1	İ		< 552 t
N-Networkphonylamins (1)				143 U	1	1	i	Ì	ŀ		< 221 t
4-Bromognosyl-phenylether			< 2	143 U			ļ				< 221 t
Herachberbessen		İ	< :	143 U	1		ŀ				< 221
Pestachlosophensk			1	506 U	i				1		< 552 1
Phonestirent		l		M3 U						1	38 . < 221 l
Anthrecess				243 U 243 U	L		1				< 221
Carberrile Di-a-butyhphhalate			< 2 < 2		1				1	1	< 221
Fuorustions			\ \ :		1			1		Į.	56
Pyrose			< :	243 U	,	1	1				53
Betyberryhishelete			< :		1		1	1			< 221
3,3'-Dichtorphentidise			In Concession	243 L					235	< 38 l	< 221_1
Benzo(A) enforceses	€ <b>4</b> 0 3				e 35 i		< 42 U		233 883	ST J	35 35
Ситуения	< 40 I	/ <b>36</b> J	-			1.00			100001 100001		< 221
besC Ethythesylphidialete			< :   < :	243 L 243 L	1 .						< 221
Di a octylptchelete Bennyth (fucunations	< 40 1	) < 36 t	CO RHOWN	000000000	< <b>38</b> L	252	< 42 Ü	40	728	e 98 i	ra 36896688888888
Beam () (Logardese	< 40 1				< 56 t		< 42 U			< 38 L	1 < 33 1
				areas in the field of	a <b>e</b> a tata ta ta ta ta ta ta ta ta ta ta ta	·**:::::::::::::::::::::::::::::::::::					: <b>:</b> :::::::::::::::::::::::::::::::::
Beau(c)pyress	< 40 1	J < 36 I	J <	36 L	i < 38 l	169	< 42 U	31 J	405	< 38 L	
					< 98 t < 98 t					< 38 L	

U - The meterial was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The meterial was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

All concentrations ug/kg.

#### Debris Pile VOCs (ug/Kg) Compliance Sample Summary

Chloromethane   Chloromethan		Soil Cleanur	DP-1 10/05/94	DP-3 10/05/94		DP-5		DP-6 10/05/94	DP-7 10/05/94	DP-7 11/15/94	DP-10 10/05/94	DP-15 10/05/94	DP-G 10/05/94
Representation   Repr		O IOMA											
Vary Chorner   Vary	Bromomethane				<	1.2	U						]
Chloresthase			l		<	1.2	U						1
Actions	Chloroethane				<	1.2	U						
Carbon Distrible 1, 1- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 2- Dichloroethene 1, 3- Dichlor	Methylene Chloride				<	28	UJ						]
1.1   1.2	Acetone		j '		<	10	UJ		4,341 JD			1	l i
1,1-Dichloroethane	Carbon Disulfide				<								
1,2-Dichloroethene (cis)   1,2-Dichloroethene (cis)   1,2-Dichloroethene (trans)   83	1,1-Dichloroethens				<		_						1
1,2-Dichloroethene (tran)   83   13	1,1-Dichloroethane				<		_						
1.2 Dichloroethane	1,2-Dichloroethene (cis)							autamanimida forto compando	a-cusaraniannassessessesses				
Cholorosthane   Cholorosthan												R RESIDENCE CONTRACTOR AND CONTRACTO	
2. Butanone	Chloroform	63	< 13 U	< 1.2 U	** 111-2-1114			< 1.7 U		3.5	< 1.0 r	and the second s	S 1.U U
					<		U						1
Carbon Terrachloride   Carbon Terrachloride		and the second	annannen en demonstrate er 29	mananananananananananananananananan	200555		0000000000						2 10 11
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Chlorobenzene							_				1	1	
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	Styrene Xylene (total)	1				1.2	U				1		

#### Notes:

- U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
- D Compounds identified in an analysis at a secondary dilution factor.
- UJ The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.
- J The associated numerical value is an estimated value.

All concentrations ug/kg.

Debris Pile Pesticides And PCBs (ug/Kg) Compliance Sample Summary

		DP-1			DP-3			DP-5		DP-5			DP-6			DP-7			DP-7 /15/94			)P-10 )/05/94			P-G 05/94			)P-15 )/05/94			DP-15 1/15/94			P-15 /15/94	
]	10	/05/94		10	/05/94			0/05/94		11/15/9	4	<u> </u>	0/05/94	•	·· į u	/05/94			113/4		10	HUDITA	60000	×10//	201127	2000-20		1.6	7.00000	000000	110000	*****	200		
alpha-BHC			- 1			- 1			-											- 1								1.6							
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delta-BHC									- 1					-			ļ			- 1								1.6	1						ı
gamma-BHC (Lindane)											- 1						- 1											1.6	-			- [			1
Heptachlor			ı						İ											- 1						ļ	,		U			-			
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4,4'-DDE			1											Ì									İ			- 1			- 1						- 1
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4,4'-DDD																							1			1		221	PJ						
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Methoxychlor				ı					Ì														İ			Ì		15.8	U						
Endrin ketone												1								ı			l			ļ		3.2	U						
Endrin aldehyde												L_		_						_							<	3.2	U		4.504	Ť			ᅱ
alpha-Chiordane		85.4	D		27.8	DP		17,881	DP	1,817	D		1.7	JP	<	2.5	U	<	2.3	ע		70.7			2.4	P			DJ	ı	1,584				
gamma-Chlordane		95.1	DP		25.6	DP		16,789	DP	2,082	DP	<u> </u>	1.9	JP	<u> </u>	41.0	DJ		5.1	P		68.2	DP		5.2_	_ P	_	405	<u>P.</u>	┡	1,527	DP			ᅥ
Toxaphene							<u> </u>					<u>L</u>			ļ													157.8		<del>  -</del>		U	_	41.7	
Aroclor-1016	<	38.1	U	<	34.6	U	<	41,152	DU	< 39.7	U	<	36.4	U	<	49.4	U	<	46.1	U	<	122.1	DU	< 3	34.6	U	<	31.6	U	\ <u>`</u>	37.0	- 1			
Aroclor-1221	<	76.2	U	<	69.3	U	<	82,305	DU	< 79.4	U	<	72.8	U	<	98.8	U	<	92.3	U	<	244.2	DU	< (	59.3	U	<	63.1	U	<	74.0	U		83.3	
Arocior-1232	<	38.1	U	<	34.6	U	<	41,152	DU	< 39.7	U	<	36.4	U	<	49.4	U	<	46.1	U	<	122.1	DU	< 3	34.6	U	<	31.6	U	<			ı	41.7	
Aroclor-1242	<	38.1	U	<	34.6	U	<	41,152	DU	< 39.7	U	<	36.4	U	<	49.4	U	<	46.1	U	<	122.1	DU	< :	34.6	U	<	31.6	U	<	37.0		•	41.7	L
Aroclor-1248	<	38.1	U	<	34.6	U	<	41,152	DU	< 39.7	U	<	36.4	U	<	49.4	U	<	46.1	U	<	122.1	DU	< :	34.6	U	<	31.6	U	<	37.0		l .	41.7	U
Aroclor-1254		476			34.6	U	<	41,152	DU	< 39.7	U	<	36.4	U		1,788	D	<	46.1	U	ļ	775.8	D		415	P		4,878	DJ	1	14,840			144	1
Aroclor-1260		161	P		75.1	P	<	41,152	DU	< 39.7	U	<u> </u>	36.4	U	<	49.4	U	<	46.1	U	<u>L</u>	183.8	D	< :	<u>34.6</u>	U		1,662	. DJ		4,301	<u>P.</u>		82.9	

#### Notes:

- U The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
- J The associated numerical value is an estimated quantity.
- UI The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.
- P Pesticide / Aroclor target analyte has greater than 25 % difference detected concentrations between the two GC columns.
- D Compounds identified in the analysis at a secondary dilution factor.

All concentrations ug/kg.

#### Debris Pile Metals (mg/Kg) Compliance Sample Summary

	DP-1	DP-3	DP-5	DP-15	DP-G
	10/05/94	10/05/94	10/05/94	10/05/94	10/05/94
	mg/kg C	mg/kg C	mg/kg C	mg/kg C	mg/kg C
Aluminum			4,016	6,875	
Antimony			8.0	7.2	
Arsenic			5.2	9.4	-
Barium			41.8	155.5	
Beryllium			0.2 U	0.3 B	
Cadmium			2.1	4.9	
Calcium			1,046	1,356	
Chromium			30.9 J	345.0 J	
Cobalt			2.5 B	5.5 B	
Copper			105.7 J	35.7 J	
Iron			15,242 J	18,642 J	
Lead	37.5 J	45.1 J	84.3	173.5 J	130.0 J
Magnesium			891.1	1503	
Manganese			91.0	159.9	
Mercury			0.1 U	1.9	
Nickel			8.8	14.9	
Potassium			250.3 B	393 B	
Selenium			0.3 U	0.3 U	
Silver			0.7 U	0.6	
Sodium			35.6 B	51 B	
Thallium			0.2 U	0.1 U	
Vanadium			8.2	19.4	
Zinc			103.4	208.8	
Cyanide			0.3	0.6	

#### Notes:

All concentrations mg/kg.

U - The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.

J - The associated numerical value is an estimated quantity.

UJ - The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.

B - The analyte was found in the associated blank as well as the sample.

# APPENDIX H SLUDGE INVESTIGATION

This appendix was originally presented in the Predesign Investigation Report (RETEC, 1993) Section 4.1.

#### 4.0 SLUDGE AND DEBRIS INVESTIGATION

The Predesign Investigation included the determination of physical and chemical parameters for remedial design input data for sludge and debris. The purpose of the investigation was to identify all sludge and debris locations, determine the volume of each media, and their appropriate disposal options.

#### 4.1 SLUDGE INVESTIGATION

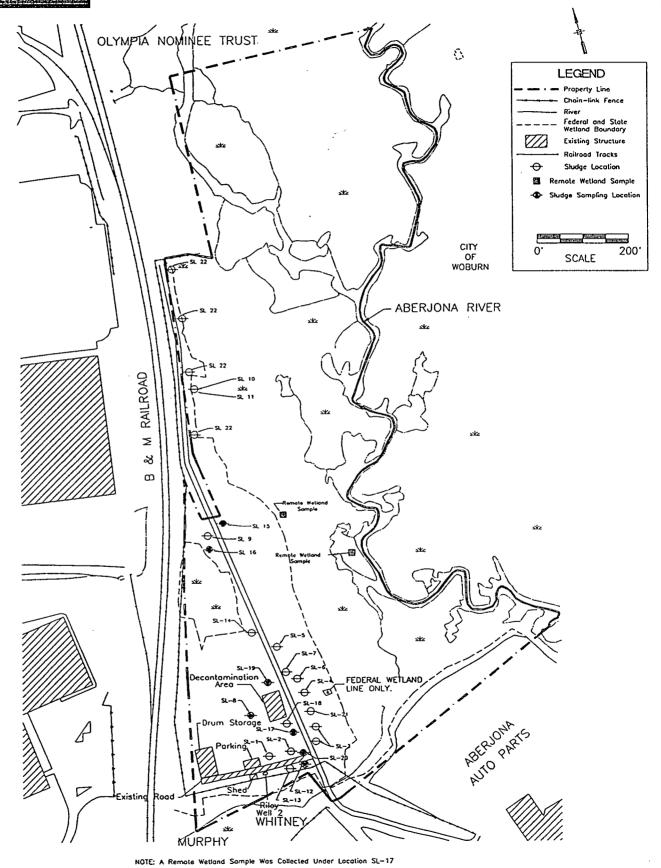
The Predesign Work Plan included sampling and characterization of the sludge identified during the Remedial Investigation to evaluate potential treatment and disposal options. Additional data was required to define the areal extent, as well as chemical and physical characterization of the sludge. Sludges not identified during the RI were observed during the debris investigation and construction of the site infrastructure. As a result of these discoveries, the scope of the Predesign Investigation sludge characterization tasks was expanded to ensure that all sludges on the Wildwood Property were identified. Sludge, present in areas used during site activities, were removed and stockpiled on site. Others were left in place. Compliance sampling of the soils underlying sludge has been postponed until all sludge can be removed from the ground surface and consolidated.

#### 4.1.1 Delineation of Sludge Locations

In October 1992, each of the ten sludge locations identified during the RI (identified as SL-1 through SL-11) were located, cleared of leaves and brush, and an estimate of their volume was made. Locations of SL-10 and SL-11 were duplicate samples collected at the same site. Figure 2-4 presents the locations of the sludge identified during the RI. The sludge at locations SL-1, 2, 4, 5, and 8 was consolidated into a 55-gallon drum. The extent of the sludge at locations SL-3, 6, 7, and 10 was greater than suggested by the RI. Due to the larger than expected volume of

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REVISED SLUDGE LOCATION MAP

FIGURE

4-1

these materials, excavation of these sludges was postponed until a complete and thorough delineation of all sludges on site could be conducted.

Additional sludge locations were encountered during construction of site facilities. A moist yellow powder was discovered at the decontamination pad exit ramp (SL-17 and SL-18), and across the access road from this location (SL-21). These locations are presented in Figure 4-1. The powder was discovered in an area approximately three feet in diameter by six inchesdeep at SL-17. Location SL-18 consisted of one cubic yard of yellow powder and associated soil, and SL-21 consisted of approximately 0.1 cubic yard of yellow powder and a blue solid. The bulk of the yellow powder was shoveled into a 55-gallon drum. The remaining powder and affected soil were excavated, moved to a lined stockpile, and covered with plastic. The solid blue material was placed into a five-gallon bucket and stored in the drum storage facility.

During the debris investigation, a black, viscous sludge was observed west of the access road. The sludge was again encountered during construction of the entrance ramp to the decontamination pad. The sludge was first excavated onto plastic sheeting with a backhoe and then moved into roll-off boxes using a front-end loader. A total of three, four-cubic yard boxes were filled with the tar and affected soil. Location of the black viscous sludge (SL-19) is presented in Figure 4-1.

A green material with the texture of finely-shredded plastic was discovered during the excavation of a trench for the wastewater treatment system drainage line (SL-20). The bulk of the green resin was shoveled into a 55-gallon drum; the remainder of the green material and the associated soil was excavated, moved to a lined stockpile, and covered with plastic.

#### 4.1.1.1 Supplemental Sludge Investigation

A supplemental sludge investigation was conducted between November 24, 1992 and December 9, 1992 to further identify and delineate sludge areas on the Wildwood Property. The objective of the investigation was to fully delineate sludges identified during the RI and during predesign activities, and to identify previously undiscovered sludges. The investigation took place along the access road running north to south through the property and along a smaller road accessing the Riley Well in the southern portion of the property. Exploration was conducted with an excavator capable of reaching 25 feet while remaining on the access roads.

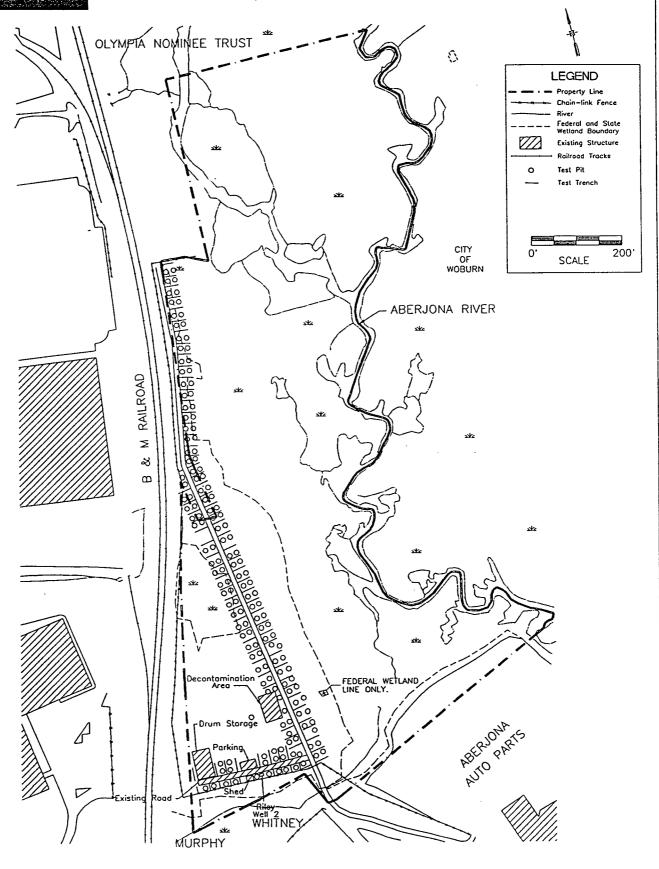
Shallow test trenches were excavated perpendicular to the road every 25 feet on each side of the two access roads. In locations where obstructions such as debris piles, large trees, or sewer manholes were present, the trench was moved or shortened to avoid the obstruction. In the northern portion of the site where the Aberjona River wetland extends westward to within 25 feet of the access road, the test trenches were excavated to the wetland boundary. Two test pits, three to six feet in length, were excavated in the intervals between each of the trenches. Both test trenches and pits were excavated to a depth of one to three feet. Excavation in the vicinity of the Massachusetts Water Resources Authority (MWRA) and City of Woburn sewer lines was conducted with caution to ensure the integrity of the lines remained intact.

In those locations where sludge had been identified during the RI and during predesign activities, test pits were excavated in the vicinity of the exposed sludge until the perimeter of the sludge could be identified. The soils within each test pit was screened with a PID or FID. The lateral extent of each sludge was surveyed and flagged in the field. Representative samples of each new sludge material encountered was collected and shipped to New England Testing Laboratory of North Providence, Rhode Island (NETL) for chemical characterization. Figure 4-1 shows the locations of the sludge samples collected for chemical characterization. Figure 4-2 presents the locations of the test trenches and test pits excavated during the supplemental sludge investigation.

#### 4.1.2 Sludge Sampling and Analysis

Each of the ten sludge locations identified in the RI were analyzed during the RI for VOCs, PAHs, pesticides, PCBs, and metals. The results of these analyses are summarized in Table 2-3. Samples of each new type of sludge identified during the Predesign Investigation was collected as it was discovered and analyzed by an industrial chemist (NETL) to characterize the sludges, identify their likely origin, and provide information for handling the sludges. Black sludges similar in nature to the sludge identified during the RI were analyzed by gas chromatograph and compared to chromatograms of marsh deposits collected on the Wildwood Property and to chromatograms of common petroleum products. Other sludge samples were weighed before and after they were heated to 105 degrees Centigrade to remove the water content, then volatilized at approximately 600 degrees Centigrade in order to determine the amount of organic matter in the sample. The organic content of the samples were analyzed by Fourier Transform Infrared Spectroscopy to determine their chemical make-up. The inorganic portions of the samples were analyzed by scanning electron microscopy/energy dispersive X-ray spectroscopy. One sludge sample was analyzed for priority pollutant semi-volatile organics, pesticides, and PCBs. The

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SUPPLEMENTAL SLUDGE INVESTIGATION LOCATIONS

FIGURE

4-2

TABLE 4-1 Sludge Characterization Summary Wildwood Property, Wells G & H Superfund Site

	LD.	 	Percent	T.	
Physical Description	Number	Volume (Cubic Yards)	Organic	Primary Constituents	Characterization
				Chlordane	Petroleum Residue
Black Viscous Sludge	SL-1	0.2		PAHs Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Viscous Sludge	SL-2	6		4,4-DDT	
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
[		f		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-3	43		PAHs	Perform Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
				No VOC or mixed	Petroleum Residue
				constituents of concern	
Black Crusty Sludge	SL-5	19.0		above cleanup criteria	<u> </u>
				Pyrene	Petroleum Residue
				Benzo(a)pyrene	
Black Crusty Sludge	SL-6/7	37		Toluene	Detection Desides
				4,4-DDT Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
				Pentachlorophenol	
Black Crusty Sludge	SL-8	2.4		Tetrachloroethene	
Black Crusty Blacgo		2.1		Chlordane	Petroleum Residue
				Benzoil Acid	
				Xylenes	
				Bis (2-Ethylhexyl) Phthalate	•
				Phenol	
Black Crusty Sludge	SL-9	3		Ethylbenzene	
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Black Clusty Sludge	3L-13	12.0		Aspiration orymetre Resili	Tetroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
Yellow Powder	SL-17	4.0	<1%	Lead, Chromium	Paint Pigment
			<u> </u>		
Yellow Powder	SL-18	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
				Ī	T
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
					T
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
Tellowish Willie Gel	<i>51.</i> -6	1	10070	1 or or or or or or or or or or or or or	1 2 Di Olouii Grease
Blue Solid	SL-21	0.1		Not analyzed	Unknown
				T	
Brown Hard Plastic	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

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results of the analyses are summarized below and in Table 4-1. Laboratory reports are included in Appendix B.

#### Black Viscous Sludge

A black, viscous, oily substance was found in several locations at the Wildwood Property during the RI and the Predesign Investigation. The sludge locations identified in the RI were revisited during the Predesign Investigation. This investigation identified locations SL-1, SL-2, SL-10/11, SL-13, SL-14, and SL-19 as being black, viscous sludge. In total, approximately 45 cubic yards of the sludge and associated soil was observed. Laboratory analyses of sludges SL-1, SL-2, and SL-10/11 conducted during the RI are summarized in Table 2-3.

Chemical characterization of SL-19 during the Predesign Investigation identified this material as a medium-to-high boiling, weathered petroleum material. At the request of EPA, 25 of these compounds were identified using library matches and the internal standards used during the initial analysis. Peaks identified on the gas chromatogram were generally normal and branched alkanes and alkyl substituted napthalenes. Compounds with the highest concentrations were dimethyl naphthalene, hexadecane, and pentadecane.

This sample was compared to chromatograms of marsh deposits collected on the Wildwood Property and common petroleum products. Sharp peaks of the chromatogram of SL-19 showed this material to exhibit the characteristics of a petroleum residue. Chromatograms of the marsh deposits showed no peaks that could be identified, rather they showed a broad, poorly defined range of organics. These chromatograms are presented in Appendix B.

#### **Black Crusty Solid**

A hard black material was originally observed during the Remedial Investigation in the following locations: SL-3, SL-4, SL-5, SL-6, SL-7, SL-8, and SL-9. Locations SL-6 and SL-7 were found to be portions of a single, continuous layer of sludge. The material was characterized during the Predesign Investigation as black, tarry, pliant to brittle, and similar in nature to the black viscous sludge but with a solid texture. In total, approximately 130 cubic yards of this material and associated soil was observed. Chemical analyses conducted during the Remedial Investigation showed that the sludge contained varying concentrations of organics, including volatiles, polyaromatic hydrocarbons, and pesticides, in similar concentrations as the black, viscous sludges observed during the RI.

A sample of the black, crusty sludge was collected at SL-15 during predesign activities and sent to NETL for characterization. The material lost approximately 25% of its weight at 500 degrees Centigrade, indicating a mix of 75% inorganics and 25% organics and water. The inorganic portion was comprised of minerals, including quartz and magnesium-based minerals with no heavy metals present in bulk quantities, and appear to be minerals consistent with the surficial geology of the area. The organic portion of the sample showed a tar-like distribution of organic compounds. Based on the analytical results, this material is most likely a residue from petroleum-based compounds.

#### Grey-White Powder

A grey-white powder intermixed with soil was observed at the northern boundary of the property east of the access road, extending south approximately 350 feet. This material extended as much as 30 feet east from the road in some areas. The grey-white material was observed to be a damp, fine powder with a water content of approximately 30%. Chemical characterization indicates the primary constituents were barium and sulfide.

#### Yellow Powder

Approximately five cubic yards of moist yellow powder was found at locations SL-17, SL-18, and SL-21 in the southern portion of the property. Greater than 99% of a sample from SL-17 was non-volatile at 660 degrees Centigrade, indicating the material was primarily inorganic. Lead and chromium were identified as the primary inorganic constituents. The organic fraction consisted of trace levels of numerous semi-volatile organics, including pyrene (4.0 ppm), phenanthrene (3.9 ppm), and fluoranthene (2.5 ppm). The pesticide 4,4'-DDT was also detected at 0.1 ppm. The results of these analyses indicate this material is paint pigment, lead chromate, which was used extensively as yellow and orange pigment in traffic paints.

#### Green Sludge

A small amount of green sludge was found intermixed with soil during installation of a drainage line for the on-site water treatment system (SL-20). Approximately three cubic yards of the sludge mixed with soil was observed. The material had the texture of a finely shredded plastic. A sample of this material was ashed to evaluate the amount of organic content. The result indicated that the material was 97% volatile at 600 degrees Centigrade. The bulk of the organic in the sample showed the characteristic profile of an alkyd resin, indicating this material is likely a paint residue.

#### **Turquoise Material**

A brittle turquoise material was found east of the access road at sludge location SL-15. The turquoise material covered an area approximately 14 feet x 23 feet and appeared to be about one-inch thick at the center and tapered toward the edges. The turquoise material directly overlies a black, hard asphalt-like material.

A sample of this material was collected and chemically characterized. The material lost approximately 24% of its weight at 500 degrees Centigrade, indicating a mix of 76% inorganics and 24% organics/water. The inorganic portion was comprised of magnesium-based minerals and quartz, with no heavy metals present in bulk quantities (soil). The organic fraction of the material was an aromatic ester, and is possibly a blue dye or pigment.

#### Yellowish-White Gel

A yellowish-white gel was found at the SL-8 location. The material was found in the same location as the black asphaltic material observed during the RI at SL-8. The gel was a pliable, viscous, translucent substance covering an area approximately eight feet by eight feet and was two inches thick. Total volume was estimated to be less than 0.5 cubic yards. When a sample of the gel was subjected to heat, the entire sample volatilized at 500 degrees Centigrade. Evaluation of the organics suggests they consist of heavy molecular weight hydrocarbon typical of petroleum-derived grease.

#### Blue-Grey Solid

Several small pieces of solid blue material were present at location SL-21, near the exit ramp of the decontamination facility. This material was a hard, medium blue-grey substance. The volume of blue material was estimated to be approximately 0.3 cubic feet. The material was excavated and placed in the bottom of a five-gallon bucket. The material was not sampled.

#### Brown Material

A hard, brown plastic-like material, covering an area approximately ten feet by ten feet, was found west of the access road in the central portion of the Wildwood Property (SL-16). Characterization of the material indicated that at 500 degrees Centigrade, approximately 34% of a sample of the material volatilized, indicating a 66%/34% inorganic/organic makeup. The

inorganic fraction was composed primarily of minerals containing iron oxides, silica and alumina (sand). The organic portion of the sample was a pigmented plastic.

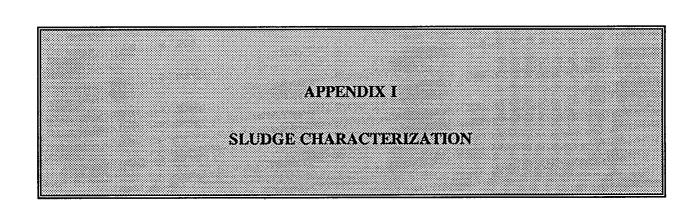
#### Light Brown Cellulose

A light brown fibrous material was observed immediately inside the entrance gate to the Wildwood Property on the west side of the access road. The sludge has been identified at SL-12. Results of chemical characterization indicated that the fiber was a cellulosic material (e.g., cotton or paper) similar to that used in filter media. Some acrylic binder or resin was also present in the sample.

#### 4.1.3 Sludge Consolidation

A portion of the sludges encountered on the Wildwood Property have been removed from the ground surface and consolidated. The black viscous sludge at SL-13, SL-14, and SL-19 were excavated during construction of site facilities and contained in three, four-cubic yard bins. Approximately five cubic yards of yellow powder observed at SL-17, SL-18, and SL-21 was consolidated into a roll-off container. Smaller amounts of this material were left in debris piles for later consolidation efforts. The green material (SL-20) was completely excavated and stockpiled. These stockpiled sludges have been sampled for disposal characterization and will be removed from the site once the results of the disposal characterization have been received and disposal options for the materials have been reviewed.

Disposal options for the remaining sludges are also under review. Additional delineation work is planned for the grey-white powder (SL-22), which was not fully delineated during site investigation work conducted to date.



#### **Sludge Sampling**

Sludge characterization sampling at the Wildwood Property was performed on Wednesday, May 12, 1993. The sludge was sampled to determine an appropriate disposal facility. Figure 1 presents the locations of sludge found at the site. Table 1 presents a characterization of the sludge found on site including, a description of the sludge, the percent organics found in the sludge, and the primary constituents making up the sludge. The sludge was classified in three groups as follows:

- Group F Black Viscous Sludge; including sludges from locations SL-1, SL-2, SL-10/11, SL-13, SL-14, SL-12, and a drum of sludge consolidated during the predesign investigation in November 1992.
- Group G Black Crusty Sludge; including sludges from locations SL-3, SL-4, SL-5, SL-6, SL-7, and SL-15.
- Group H All Remaining Sludges; including SL-15, SL-8, SL-21, SL-16, SL-12 and SL-9.

Portions of the following sludge locations were bulked into a single 55 gallon drum during predesign activities in the summer of 1992; SL-1, SL-2, SL-4, SL-5, and SL-8. The contents of this drum were included in Group F. Not all of the sludge from these locations was consolidated. Any sludge remaining in the original locations was included in the groups as listed above.

Sludges SL-17, SL-18, SL-20, and SL-21, shown on Figure 1, were consolidated during predesign activities, into Group D, as debris soil. A composite sample taken from Group D during the debris soil sampling. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sludge at location SL-19, shown on Figure 1, was consolidated during predesign activities and sampled with the debris soil as Group E. The sample was analyzed for full TCLP, RCRA Characteristics, pesticides, and PCBs.

Sampling, packaging and shipment of samples, and sampling equipment decontamination were performed in accordance with procedures outlined in the SAP (RETEC, 1992). Aliquot samples were taken from each sludge locations in a group and placed into a 5 gallon bucket. Once

aliquots were taken from each sludge location within the group, the aliquots were mixed thoroughly. One 250-ml composite sample was taken from the mixture of aliquots. Three 250-ml samples in all were collected, one from each group, and sent to New England Testing Lab to be analyzed. The samples were analyzed for full TCLP, corrosivity, reactivity, ignitability, toxicity, pesticides, PCBs, Total Petroleum Hydrocarbons (TPH), and total Halogens (TOX). These samples consisted of four 250-ml sample jars for each group.

Sample results from sludge Groups D and E are included as attachments. The sampling of sludge Groups D and E was done in conjunction with debris soil "A". For a complete explanation of this material, refer to Section 2.3.

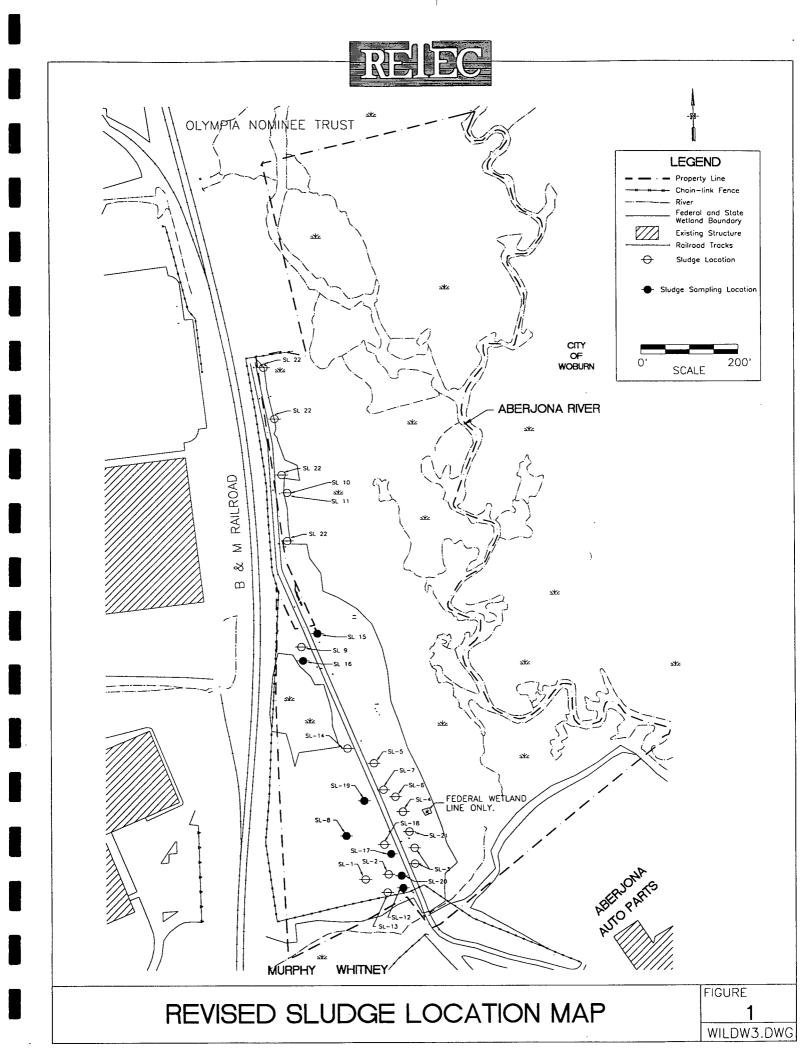


TABLE 1
Sludge Characterization Summary
Wildwood Property, Wells G & H Superfund Site

		1			1
Physical Description	I.D. Number	Volume (Cubic Yards)	Percent Organic	Primary Constituents	Characterization
	*******				
	07.1	0.0		Chlordane	Petroleum Residue
Black Viscous Sludge	SL-1	0.2		PAHs Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Viscous Sludge	SL-2	6		4,4-DDT	
	OT 10/11			DALLa	Petroleum Residue
Black Viscous Sludge	SL-10/11	8		PAHs	Petroleum Residue
Black Viscous Sludge	SL-13	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	SL-14	11		Not analyzed	Petroleum Residue
Black Viscous Sludge	JL-14			,	
Black Viscous Sludge	SL-19	9		Not analyzed	Petroleum Residue
				Bis (2-Ethylhexyl) Phthalate	Petroleum Residue
Black Crusty Sludge	SL-3	43		PAHs	
DI 1 G . GI .	GY 4	0.1		Die (2 Ethylhogyl) Phthelete	Petroleum Residue
Black Crusty Sludge	SL-4	0.1		Bis (2-Ethylhexyl) Phthalate No VOC or mixed	Petroleum Residue
				constituents of concern	
Black Crusty Sludge	SL-5	19.0		above cleanup criteria	
				Pyrene	Petroleum Residue
	67 (19	47		Benzo(a)pyrene	
Black Crusty Sludge	SL-6/7	37		Toluene 4,4-DDT	Petroleum Residue
				Bis (2-Ethylhexyl) Phthalate	regoledin Residue
				Pentachlorophenol	
Black Crusty Sludge	SL-8	2.4		Tetrachloroethene	
				Chlordane	Petroleum Residue
		!		Benzoil Acid	
				Xylenes	
				Bis (2-Ethylhexyl) Phthalate Phenol	
Black Crusty Sludge	SL-9	3		Ethylbenzene	
Black Crusty Sludge	SL-15	12.0	25%	Asphaltic/Polymeric Resin	Petroleum Residue
Grey-White Powder	SL-22	Not estimated		Barium Sulfide	Barium Sulfide
			1		T
Yellow Powder	SL-17	4.0	<1%	Lead, Chromium	Paint Pigment
	67.10	1.0		Not analyzed	Paint Pigment
Yellow Powder	SL-18	1.0		Not analyzeu	Faint Figurent
Yellow Powder	SL-21	0.1		Not analyzed	Paint Pigment
	i	T	1	<u> </u>	
Green Sludge	SL-20	3.0	97%	Alkyd Polymers	Paint Residue
			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Turquoise Brittle Solid	SL-15	1.0	24%	Aromatic Esters	Dye or Pigment
Turquoise Brittle Solid	31713	1.0	1 2470	Aronade Esters	1 Dyo or riginous
Yellowish-White Gel	SL-8	0.5	100%	Petroleum Hydrocarbons	Petroleum Grease
	<del></del>	T	1		
Blue Solid	SL-21	0.1	<u> </u>	Not analyzed	Unknown
	T		1	7	<del></del>
Drown Hard Diamin	SL-16	4	34%	Polyvinyl Polymer	Pigmented Plastic
Brown Hard Plastic	71.710	<u> </u>	<u> </u>	1 Vij imji i Vijinot	1 - 25
Light Brown Cellulose	SL-12	17	100%	Cellulose	Waste Filter Media

#### REPORT OF ANALYTICAL RESULTS

Case Number: D0513-17

#### Prepared for:

Remediation Technologies, Inc. 9 Pond Lane Concord, MA 01742 Attn: Andy Gates

#### Prepared by:

New England Testing Laboratory, Inc. 1254 Douglas Avenue North Providence, RI 02904

Date Reported: 24 MAY 1993

Reviewed By: >

Mark H. Bishop

Laboratory Director

#### NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, Rhode Island 02904-5392 • 40I-353-3420

#### Sample Description

The following samples were submitted to New England Testing Laboratory on 13 MAY 1993:

"Wells G & H/Woburn, MA"

- 1. Group F
- 2. Group G
- 3. Group H

The Custody record is included in this report. The samples were assigned an internal identification code (case number) for laboratory information management purposes. The case number for this sample submission is as follows:

Case Number: D0513-17

#### Request for Analysis

The following table details the analyses performed on the samples:

<u>Sample</u>	<u>Analysis</u>	Method*
D0513-17: 1. Group F 2. Group G 3. Group H	Corrosivity-pH Reactivity-CN S Ignitability Pesticides/PCB's Total Petroleum Hydrocarbons Total Halogens TCLP Extraction TC Volatiles TC Semivolatiles Arsenic Barium Cadmium Chromium Lead Mercury Selenium Silver Pesticides Herbicides	9040 Section 7.3.3.2 Section 7.3.4.1 1010 8080 8015 Mod.  ASTM E442 1311 8240 8270 7060 6010 6010 6010 6010 7470 7740 6010 8080 8150

<sup>\*</sup>Note: These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

ASTM Volume 9.01 <u>Rubber, Natural and Synthetic - General Test</u>
<u>Methods; Carbon Black</u>

ASTM Volume 15.05 Engine Coolants; Halogenated Organic Solvents; Industrial Chemicals

#### Quality Assurance/Control Statements

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding times. Procedure/calibration checks required by the designated protocols were within control limits.

ANALYTICAL RESULTS

#### Group F

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.3
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	24,300
Total Halogens	586

Case No. D0513-17

sample: Group F

Date TCLP Extracted: 5/13/93
Date Analyzed\*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.7	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	23	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

<sup>\*</sup> Date Completed

Sample: Group F

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

# TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	87	76-114
4-Bromofluorobenzene	92	86-115

Case No. D0513-17 Sample: Group F

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

### TCLP Extractable Pesticides/Herbicides:

Compound	Concentration $mq/L$ (ppm)	Regulatory Limit, mg/L (ppm)
Chlordane	0.11	0.03
2,4-D	<0.25	10.0
Endrin	<0.005	0.02
Heptachlor	<0.005	0.008
Heptachlor Epoxide	<0.005	0.008
Lindane	<0.005	0.4
Methoxychlor	<0.025	10.0
Toxaphene	<0.05	0.5
2.4.5-TP Silvex	<0.25	1.0

#### Sample: Group F

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

## TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

## TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

<u>Surrogates</u> :	<pre>% Recovery</pre>	<u>Limits</u>
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol 2,4,6-Tribromophenol	71 73 109 54 49 90	35-114 43-116 33-141 10-94 21-100 10-123

sample: Group F

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
qamma-BHC	N.D.	<25
Chlordane	9900	<125
4 , 4 ' -DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
	N.D.	<25
PCB-1016		<25 <25
PCB-1221	N.D.	<25 <25
PCB-1232	N.D.	<25 <25
PCB-1242	N.D.	<25 <25
PCB-1248	N.D.	<25 <25
PCB-1254	N.D.	
PCB-1260	N.D.	<25

### Group G

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	9000
Total Halogens	346

Case No. D0513-17 Sample: Group G

Date TCLP Extracted: 5/13/93
Date Analyzed\*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	1.3	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

<sup>\*</sup> Date Completed

Sample: Group G

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

## TCLP Volatile Organic Compounds:

<u>Compound</u>	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	0.51	0.7
Trichloroethylene	0.08	0.5
Vinyl Chloride	<0.04	0.2
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	93 <sup>.</sup>	88-110
1,2-Dichloroethane-d4	89	76-114
4-Bromofluorobenzene	94	86-115

Sample: Group G

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

### TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

#### Sample: Group G

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

## TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

### TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration $mg/L$ (ppm)	Regulatory Limit, mg/L (ppm)
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol 2,4,6-Tribromophenol	76 83 115 55 54 77	35-114 43-116 33-141 10-94 21-100 10-123

Sample: Group G

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	642	<125
4,4'-DDD	N.D.	<25
4,4'-DDE	N.D.	<25
4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<25
Methoxychlor	N.D.	<50
Toxaphene	N.D.	<125
		.0.5
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

### Group H

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	<1
Cyanide	<0.3
Corrosivity	
pH, S.U.	6.6
Ignitability, Deg. F	>200
Total Petroleum Hydrocarbons	22,700
Total Halogens	952

Sample: Group H

Date TCLP Extracted: 5/13/93 Date Analyzed\*: 5/17/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	<0.5	100.0
Cadmium	0.12	1.0
Chromium	0.25	5.0
Lead	2.9	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

Date Completed

Sample: Group H

Date TCLP Extracted: 5/13/93
Date Analyzed: 5/19/93

### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	0.03	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
•		
Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	97	88-110
1,2-Dichloroethane-d4	77	76-114
4-Bromofluorobenzene	90	86-115

Sample: Group H

Date TCLP Extracted: 5/13/93 Date Prep Extracted: 5/20/93
Date Analyzed: 5/20/93

# TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
Chlordane	0.02	0.03
2,4-D	<0.10	10.0
Endrin	<0.002	0.02
Heptachlor	<0.002	0.008
Heptachlor Epoxide	<0.002	0.008
Lindane	<0.002	0.4
Methoxychlor	<0.01	10.0
Toxaphene	<0.02	0.5
2,4,5-TP Silvex	<0.10	1.0

Sample: Group H

Date TCLP Extracted: 5/13/93
Date Prep Extracted: 5/20/93

Date Analyzed: 5/20/93

# TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5 0.13
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	3.0
Hexachloroethane	<0.05	2.0
Nitrobenzene	<0.05	5.0
Pyridine	<0.05	0.13
2,4-Dinitrotoluene	<0.05	0.13

## TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration $mg/L$ (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
o-Cresol m-Cresol p-Cresol Pentachlorophenol 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	200.0 200.0 200.0 100.0 400.0 2.0

Surrogates:	<pre>% Recovery</pre>	<u>Limits</u>	
Nitrobenzene d5 2-Fluorobiphenyl p-Terphenyl d14 Phenol d6 2-Fluorophenol 2.4.6-Tribromophenol	71 77 106 59 55 90	35-114 43-116 33-141 10-94 21-100 10-123	

Sample: Group H

Case No. D0513-17
Date Analyzed: 5/20/93

Subject: Pesticides and PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
Aldrin	N.D.	<25
alpha-BHC	N.D.	<25
beta-BHC	N.D.	<25
delta-BHC	N.D.	<25
gamma-BHC	N.D.	<25
Chlordane	2310	<125
4,4'-DDD	N.D.	<25
•	N.D.	<25
4,4'-DDE 4,4'-DDT	N.D.	<25
Dieldrin	N.D.	<25
Endosulfan I	N.D.	<50
Endosulfan II	N.D.	<50
Endosulfan sulfate	N.D.	<50
	N.D.	<25
Endrin	N.D.	<25
Endrin aldehyde	N.D.	<25
Heptachlor	N.D.	<25
Heptachlor epoxide	N.D.	<50
Methoxychlor	N.D.	<125
Toxaphene		
PCB-1016	N.D.	<25
PCB-1221	N.D.	<25
PCB-1232	N.D.	<25
PCB-1242	N.D.	<25
PCB-1248	N.D.	<25
PCB-1254	N.D.	<25
PCB-1260	N.D.	<25

CUSTODY RECORD

			CHAIN	OF CUST	ODY	REC	COR	D	ر ب ب ب	in		D	0513-1	
31000		PROJECT N	S G-+++ Wabum, MIH				/	13/3/1						
SAMPL	RS: (Signu	lure)	·	NO. OF CON- TAINERS		A 7/	./ `\			74/	/	·	REMARKS	
SAMPL NO.	E DATE	TIME	SAMPLE LOCATION	TAIRENS	<i>†</i>	-/ &	<del>*</del> / F		1/					
Citavi F	5/12/9	3340	Group F		入	Х	X	Х	×					
1 1		10:25	Group G		X	<u>×</u>	X	X	X					
sa pl	15/12/9	3 20	Group H		入	X	X	X						
									<u>                                     </u>					
											-			
	_				-									
Relino	ulshed by:	(S/gnature)	Date / Time Received by: (Signature) V/17 (= EDE)	X	Reli	nquis	hed by	y: (Sigi	raturo)		Date	/ Time	Received by: (Signature)	
Relino	ulshed by	(Signature)	5/12/93 5.00 666959 9.  Date / Time Received by: (Signature)		Rel	nquis	hed b	y: (Siyi	nature)		Date	/ Time	Received by: (Signature)	
Relino	uished by	(Signature)	Date / Time Received for Laborator (Signature)				Date /	/ Time	e			DEME	EDIATION TECHNO	I OCIE
REMA	RKS:	· <del></del>	Xmarm	álas-	<u>-   '</u>	7/-	3/9	1	>_	R E M E D I	ATION		Damonmill Square 9 Pond Lane Concord, MA 0174	<del>)</del>

REMEDIATION TECHNOLOGIES INC

## Grp. D Rolloff Box 13 & Stockpiled Soil

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	1.1
Cyanide	<0.3
Corrosivity	
pH, S.U.	5.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	•
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil Date TCLP Extracted: 2/10/93 Date Analyzed\*: 2/11/93

Case No. D0210-05

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	1.36	100.0
Cadmium	0.36	1.0
Chromium	0.27	5.0
Lead	0.66	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

<sup>\*</sup> Date Completed

Case No. D0210-05

Sample: Grp. D Rolloff Box 13 & Stockpiled Soil

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/10/93

#### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
<u>Surrogates</u> :	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	91	88-110
1,2-Dichloroethane-d4	93	76-114
4-Bromofluorobenzene	102	86-115

Sample: Grp. D Rolloff Box 13

& Stockpiled Soil
Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

### TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Case No. D0210-05

Sample: Grp. D Rolloff Box 13

& Stockpiled Soil

Date TCLP Extracted: 2/10/93 Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

### TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

Case No. D0210-05

#### TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	<u>Limits</u>	
Nitrobenzene d5	82	35-114	
2-Fluorobiphenyl	88	43-116	
p-Terphenyl d14	85	33-141	
Phenol d6	44	10-94	
2-Fluorophenol	69	21-100	
2.4.6-Tribromophenol	98	10-123	

Sample: Grp. D

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

Compound	Concentration mg/Kg (ppm)	Reporting <u>Limit</u>
PCB-1016	N.D.	<0.5
PCB-1221	N.D.	<0.5
PCB-1232	N.D.	<0.5
PCB-1242	N.D.	<0.5
	N.D.	<0.5
PCB-1248		
PCB-1254	N.D.	<0.5
PCB-1260	N.D.	<0.5

Comment: This sample contains chlordane at 0.84 mg/Kg

### Grp. E Dumpster 14,15,16

<u>Parameter</u>	Result, mg/Kg
Reactivity	
Sulfide	1.9
Cyanide	<0.3
Corrosivity	
pH, S.U.	4.8
Ignitability, Deg. F	>200
PCB's	Attached
TCLP Extractable:	
VOC's	Attached
Semivolatiles	Attached
8 Heavy Metals	Attached
Pesticides	Attached
Herbicides	Attached

sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/.10/93
Date Analyzed\*: 2/11/93

TCLP Extractable Metals:	Result, mg/L	Regulatory <u>Limit, mg/L</u>
Arsenic	<0.1	5.0
Barium	0.51	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.2	5.0
Mercury	<0.005	0.2
Selenium	<0.1	1.0
Silver	<0.05	5.0

<sup>\*</sup> Date Completed

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Analyzed: 2/16/93

### TCLP Volatile Organic Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
Benzene	<0.02	0.5
Carbon Tetrachloride	<0.02	0.5
Chlorobenzene	<0.02	100.0
Chloroform	<0.02	6.0
1,4-Dichlorobenzene	<0.02	7.5
1,2-Dichloroethane	<0.02	0.5
1,1-Dichloroethylene	<0.02	0.7
Methyl Ethyl Ketone (MEK)	<0.5	200.0
Tetrachloroethylene	<0.02	0.7
Trichloroethylene	<0.02	0.5
Vinyl Chloride	<0.04	0.2
<u>Surrogates</u> :	<pre>% Recovery</pre>	<u>Limits</u>
Toluene d8	92	88-110
1,2-Dichloroethane-d4	102	76-114
4-Bromofluorobenzene	110	86-115

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93
Date Analyzed: 2/16/93

## TCLP Extractable Pesticides/Herbicides:

Compound	Concentration mg/L (ppm)	Regulatory <pre>Limit, mg/L (ppm)</pre>
Chlordane	<0.01	0.03
2,4-D	<0.05	10.0
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.005	10.0
Toxaphene	<0.01	0.5
2,4,5-TP Silvex	<0.05	1.0

Sample: Grp. E Dumpster 14,15,16

Case No. D0210-05

Date TCLP Extracted: 2/10/93
Date Prep Extracted: 2/16/93

Date Analyzed: 2/16/93

## TCLP Semivolatile Base/Neutral Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory Limit, mg/L (ppm)
1,4-Dichlorobenzene	<0.05	7.5
Hexachlorobenzene	<0.05	0.13
Hexachloro-1,3-butadiene	<0.05	0.5
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pyridine	<0.05	5.0
2,4-Dinitrotoluene	<0.05	0.13

### TCLP Semivolatile Acid Extractable Compounds:

Compound	Concentration mg/L (ppm)	Regulatory <u>Limit, mg/L (ppm)</u>
o-Cresol	<0.1	200.0
m-Cresol	<0.1	200.0
p-Cresol	<0.1	200.0
Pentachlorophenol	<0.1	100.0
2,4,5-Trichlorophenol	<0.1	400.0
2,4,6-Trichlorophenol	<0.1	2.0

Surrogates:	% Recovery	<u>Limits</u>	
Nitrobenzene d5	80	35-114	
2-Fluorobiphenyl	83	43-116	
p-Terphenyl d14	98	33-141	
Phenol d6	39	10-94	
2-Fluorophenol	62	21-100	
2.4.6-Tribromophenol	100	10-123	

Sample: Grp. E

Case No. D0210-05
Date Analyzed: 2/16/93

Subject: PCB's Method: EPA 8080

<0.5
<0.5
<0.5
<0.5
<0.5
<0.5
<0.5

Comment: This sample contains chlordane at 1.1 mg/Kg

CUSTODY RECORD

CHAIN OF CUSTODY RECORD D0210-05 PROJECT NAME PROJ. NO. 0947 WEUS GAH NO. OF REMARKS CON-**TAINERS** SAMPLE SAMPLE LOCATION DATE TIME NO. 2-895.00 Raigf BXES 6-11 ROLLOFF BOX 13 + STOCKPOLLED SOZE Relinquished by: (Signature) Received by: (Signature) Date / Time Received by: (Signature)
SHLTPED VON CED EN NARBC-Date / Time Relinquished by: (Signature) 13:00

Relinquished by: (Signature)

Date / Time Received for Laboratory by:

(Signature)

REMARKS:

Date / Time Received for Laboratory by:

2/10/93

Received by: (Signature)

Date / Time

Re!inquished by: (Signature)



Relinquished by: (Signature)

Date / Time

REMEDIATION TECHNOLOGIES

Damonmill Square

9 Pond Lane
Concord, MA 01742

Received by: (Signature)

Attachment I-1

Waste Profile Sheet

Group F

Hazardous Sludge

, d	
the second	Direct Telepho
,	1. Generato
9	Address:
3	City/State:
1.	Tech. Cont

ENVIROSAFE SERVICES OF OHIO, INC: 876 OTTER CREEK RD. P.O. Box 167571 OREGON, OHIO 43616-7571 U.S. EPA I.D. No. OHD045243706

Generator's Area Code

GENERATOR-STREAM NUMBER

15698-001

WASTET HOUSE THE GOVERNMENTE	
Direct Telephone 419-255-5100 Toll Free (Ohio) 800-472-0414 Toll Free (Outside Ohio) 800-537-042	· · · · · · · · · · · · · · · · · · ·
	osafe Services Only
1. Generator: Bratice Co.   Esol cust	
Address: 708 S. Lasarthe, St 246 Rear Sales To Sales To	erritory Area Code
City/State: Chica; Tt/ Woburn, MAZip: 60604 70	6/7
Tech. Contact: TAMIC GYELCON Fax: (508) - 37/1422 ESAIC	Gen-Stream Number
2. EPA I.D.: MP6 179355523 3. SIC: ESAI	100
4. Billing/Broker: Remediation Technologies Inc. CUST	
Address: / FCAQ LAIR.	ance Codo ACP
City/State: Concend 1/1/1 Zip: 01/96	Analysis Code
/ Marken   lel: (508) · 37/1972	ator State Code
SECTION B WASTE DESCRIPTION	Form 92-2
1. Common Name for This Waste: Contaminated Soil	
2. Process Generating This Waste: 5/ te Remediation	
Z. Treeses denoted in a waste.	
3. Annual Quantity: 4. Shipment Duration: 5. Shipment I	Mode:
3. Annual Quantity:  4. Shipment Duration:  5. Shipment I  Tons 1 Permanent (1 Year or Longer) 1 Bulk	Mode:  2 Palletized Boxes
1 Tons Permanent (1 Year or Longer) 1 Bulk	2 Palletized Boxes  Metal
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 X Yards 2 Temporary (Less Than 1 Year) 3 Wove Cloth	2 Palletized Boxes  Metal
1 Tons Permanent (1 Year or Longer) 1 Bulk 2 Yards 50 2 Temporary (Less Than 1 Year) 3 Wovel	2 Palletized Boxes  n 4 Metal Bags
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 X Yards 5 2 Temporary (Less Than 1 Year) 3 Wovel 3 Drums 3 One Time Disposal 5 Other	2 Palletized Boxes  n 4 Metal Bags
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wove Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid	2 Palletized Boxes  n 4 Metal Bags - Explain in Section H
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wove Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F:	2 Palletized Boxes  n 4 Metal Bags - Explain in Section H
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 2 Temporary (Less Than 1 Year) 3 Wove Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid	2 Palletized Boxes  n 4 Metal Bags - Explain in Section H
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wove Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 1 Solid / Rigid 2 Sludge 3 Weak / None	2 Palletized Boxes  n 4 Metal Bags - Explain in Section H
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wovel Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 1 Solid / Rigid 2 Sludge 3 Weak / None	Palletized Boxes  Metal Bags - Explain in Section H  Labpack 2 % Solids @105°C:
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 0 2 Temporary (Less Than 1 Year) 3 Wovel Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 2.1 Ponetrometer PSI: 2. 1 Solid / Rigid 2 Sludge 3 Weak / None 3. Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Describe Color, Variations): 4. Apparent Describe Physical Appearance Describe Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Describe Physical Phy	Palletized Boxes  Metal Bags - Explain in Section H  Labpack 2 % Solids @105°C:  Ansity of Waste:  Lb/Cu. Yard
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wovel Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 2.1 Ponetrometer PSI: 2. 1 Solid / Rigid 2 Sludge 3 Weak / None 3. Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance Of Waste (Include Color)	Palletized Boxes  Metal Bags  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  - Palletized Boxes  Metal Drums  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  - Palletized Boxes  - Labpack - Palletized Boxes  - Labpack - Palletized Boxes - Pallet
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wover Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 2.1 Ponetrometer PSI: 2. 1 Solid / Rigid 2 Sludge 3 Weak / None 3. Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 6. pH (10 % Slurry in Distilled Water for Solids):	Palletized Boxes  Metal Bags  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  - Palletized Boxes  Metal Drums  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  - Palletized Boxes  - Labpack - Palletized Boxes  - Labpack - Palletized Boxes - Pallet
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wovel Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 2.1 Ponetrometer PSI: 2. 1 Solid / Rigid 2 Sludge 3 Weak / None 3. Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 5. Flash Point (TAG or Setaflash Closed Cup): 5. Flash Point (TAG or Setaflash Closed Cup): 5. Flash Point (TAG or Setaflash Closed Cup): 1 25-70° F 2 70-100° F 3 100-140° F 4 2 > 140° F > 200 ° F	Palletized Boxes  Metal Bags  - Explain in Section H
1 Tons 1 Permanent (1 Year or Longer) 1 Bulk 2 Yards 5 2 Temporary (Less Than 1 Year) 3 Wover Cloth 3 Drums 3 One Time Disposal 5 Other  SECTION C PHYSICAL PROPERTIES  1. Describe Physical State at 70° F: 1 Dry Solid 2 Damp Solid 3 Semi-Solid / Gel 4 Flowable Liquid 2. Describe Load Bearing Strength at 70° F: 2.1 Ponetrometer PSI: 2. 1 Solid / Rigid 2 Sludge 3 Weak / None 3. Describe Physical Appearance of Waste (Include Color, Variations): 4. Apparent Describe Physical Appearance of Waste (Include Color, Variations): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 5. Flash Point (TAG or Setallash Closed Cup): 6. pH (10 % Slurry in Distilled Water for Solids):	Palletized Boxes  Metal Bags 4 Metal Drums  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  Palletized Boxes  Metal Drums  - Explain in Section H  6 Labpack 2 % Solids @ 105°C:  Palletized Boxes  - Labpack 2 % Solids @ 105°C:  - Labpack 2 % Solids @ 105°C:  - Labpack 2 % Solids @ 105°C: - Labpack 2 % Solids @ 105°C: - Labpack 2 % Solids @ 105°C: - Labpack 2 % Solids @ 105°C: - Labpack 3 % Solids @ 105°C: - Labpack -

01-12-94 11:18AM FROM ENVIROSAFE 1ST FLOOR #0 15083699279

P002/002

GENERATOR-STREAM NUMBER	•
SECTION DE GENERATOR CERTIFICATION	
1. GENERATOR CERTIFICATION STATEMENT: Page 4 15698-UII	
I hereby certify that as an authorized representative of the generator	
t hereby certify that as an authorized representative of the generator named herein, to the best of my knowledge all information submitted in this and all attached documents is true and accurate.	•-
named herein, to the best of my knowledge all information submitted in this and all attached and analyzed according to the I certify that a representative sample (if any) of the waste described herein was collected and analyzed according to the I certify that a representative sample (if any) of the waste described herein was collected and analyzed according to the	
methode on this form and all known and suspected nazerodus components to	mis
A set a transportation or disposal services to be performed by ESOI subject to any preventing wage requirements Test No.	محرص
If yes, describe the requirement(s) in Section H, and attach a schedule of the prevailing wages.	(1)
1/ h / ners /-/)-94	
2. GENERATOR SIGNATURE TOWNS IN THE STATE OF	
James Grence (Agent for Pentise) le machation Jechnology)	
NAME (Privated or Typed)	
U1. X Normal Operating Hours: 5:45 AM - 3:30 CM. Drums, Bags, Boxes and Special Handling 7:00 AM - 2:00 PM	
01. X Normal Operating Hours: 6:45 AM - 3:30 CM. Drums, Bags, Boxes and Special Control of the Stream Number Must Appear on Each Manifest Required by EPA or DOT; ERC Document, Phone & Route Information 02. X Gen-Stream Number Must Appear on Each Manifest Required by EPA or DOT; ERC Document, Phone & Route Information 102. X Gen-Stream Number Must Appear on Each Manifest Part of Waste Density is Less Than 2000 Pounds per Cubic Yard	
los X Bulk Tonnage Disposal Charges Will be Blied by the Color Taron To Continue	
Ind. Acceptance Ends	
05 Generator Must Provide Updated Analysis 19 and Annually Increased, August II Visited Water Must be at Least To but Less Than 12.5 by ESOI Methods	
	_
107 No Flash Point of Incoming Material Must Be 110 P of Grazier by Cooking Material Must Be	eic a
	240
Delic School Analysis Plan	
Heat Generation in Contact With Water Requirements	
Generalization Limit Requirements	٠,
Gas Generation in Contact With Water Requirements	)
14 Pallatized Royas: Acceptance Requirements 32 Standard Conditions for Custom Asbestos	/
15 Material Solid, Non-flowable & Penetrometer Standard 33 Standard Conditions for General Assessment 1/19/44	
Miscellaneous Debris 3 Feet Dimensional Limit 34. Standard Conductors for Custom Carlotte	
17 FSOI has Sids, for Odor, Temperature & Liquid Stability 35. Standard Combinions for Garners	
10 Odorferous Waste May Notibe Acceptable 36. Consent-10-Server Form Form Form Form Form Form Form For	
19 Cvanide of Sulfide Concentration Limit Requirements 37. Supmic of Concentration Limit Requirements	
[20. FCD Collegification Enter requirements   Waste	
23. — San Steller of Health Vold Space Maral & 800 Propost 42. Pre-Acceptance Sample Requirements	
Namentico Description Acceptance Requirements	
25 Containerized Material Must be Solid, Non-Howdole 43 National Description	
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there a Palestin Technologes puthorizing them to protite,	
1 He and Sunst dis opsole He are altown in generator	
manifest and certify waste inspired	
mast swar page 4 of the laster	
T 9/2 MAIN 112 CH ( LIDER Sewel Red)	
TITLE )	
SCNATURE	
SECTION GEREGUEATORY AGENCY USE ONLY	
ACCEPTANCE STATUS:	
1	
Accepted (ACP)	
2. CONDITIONS FOR ACCEPTANCE OR REASONS FOR DENIAL:	
5.71/6 SEN +18-94 ES-2 BENT	
TITLE AGENCY	,
SIGNATURE DATE TILE	

Attachment I-2

Waste Profile Sheet

Groups G & H

Non-Hazardous Sludge



RELWASTE CODE

BROWNING-FERRIS INDUSTRIES	BFI WASTE CODE
WASTE APPI	ROVAL REQUEST
BFI to complete this area.  BFI Initiator:  Location:  Company Number:  Telephone: ( )  Fax: ( )  Date:	Action Requested:     New Waste Approval
LEGIBLY PRINTED IN INK, AND SIGNED.	TOR INFORMATION
1. GENERA	
a) Generator's Name: Brainice Company b) Generating Facility's Address: 246 R. Salem 57 City: Uchin State: MA Zip: 01801 c) Generator's Representative: Jamic Greacen Title: Project Manger Telephone: (507) 371-1422 Fax: (508) 369-9279 d) Emergency/Information Contact: Jamic Greacen Title: Project / Manger Telephone: (508) 371-1422	e) State/Provincial/Local Registration No.:  Generator's EPA Id. No.: MP 6/79355523  Industry Description/SIC Code:  f) Customer's Name: Beatine Company g) Customer's Mailing Address: Care of Rote City: Concad State: Mt Zip: 0/742 h) Representative: Tames Greacen Telephone: (\$08) 371 /422  Fax: (608) 369 - 9279
	STE STREAM INFORMATION
c) Is this a treatment residue of a waste which was previously a restrict If yes, describe the waste and the process generating the waste prio d) Is this a "Hazardous Waste" as defined by State, Provincial, or local If yes, enter the Waste Identification Number if one has been assigned by Is this a "Special Waste", an "Industrial Process Waste", or a "Polluting Yes Process Waste" or a "Polluting Yes Process Waste" or a "Polluting Yes Process Waste".	r to treatment
	PROPERTIES AT 72°F
	e) Density Range: Z 500 to 3 200
a) Physical State:  「はSolid 」 Semi-solid  □ Powder □ Liquid □ Combination b) Layers:  区 Single-layered □ Bi-layered □ Multi-layered c) Colors(s):	e) Density Hange
d) Odor:  Describe	g) pH: □ ≤2 □ 2.1 - 5.0 赵 5.1 - 9.0 □ 9.1 - 12.4 □ ≥ 12.5 □ N/A □ N/D

BFI WASTE CODE

4. REACTIVITY	5. THIS WASTE CONTAINS	6 SPECIAL WASTE COMPOSITION
Note if the waste exhibits any of the following reactive properties:    Water Reactive	Note if the waste contains any of the following:  If any are checked "Yes", specify type (if applicable) and include its concentration as part of the waste composition, Section 6.    Free Liquids	Concentration ranges are suggested and units must be identified in percentages (%) and/or parts per million (ppm). Attach additional pages if necessary.  Range Components Min. / Max.  Soi / 94.9 %  Laker 5.0 %  Ch lardane  O-1 %
<u> </u>	7. TRANSPORTATION INFORMATI	ON
If the waste is a DOT Hazardous M. Proper USDOT Shipping Name:USDOT Hazard Class:	aterial, complete the following:  //// UN or NA Number:	CERCLA Reportable Quantity:
	8. SUPPLEMENTAL INFORMATION	N
☐ None ☐ MSD Sheets ☐ Other - describe:	🗷 Analytical Data 🗆 Chain of Custody	☐ Memo/Letter ☐ Waste Composition No. of Pages:
	9. GENERATOR'S CERTIFICATIO	N
deliberate or willful omissions of co not a regulated hazardous waste by contain PCBs regulated by TSCA (if GENERATOR'S AUTHORIZED SIGNATURE)	mposition or properties exist, that all known or suspec	best of my knowledge and ability to determine, that no cted hazards have been disclosed, and that the waste is chority, or by any applicable local authority, and does not   Project Manage:  TITLE
	REPRESENTATIVE SAMPLE CERTIFIC	CATION
I certify that the sample for which a	the person obtaining the sample of the above describ	
Company: RETEC	Generator's N  ineer R  Vaste Description  71-142   Date Collecte	lame: ption: d: